3rd grade math worksheets

15 sheets, one of each skill, with the answer keys together from page 17.

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2.	Division facts within 100 3.OA.C.7	18	3
3.	Missing factors 3.OA.A.4	19	4
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Multiplication

Multiply. Write each answer on the line.

Name _____ Date _____

1. $8 \times 10 =$ _____
2. $10 \times 2 =$ _____
3. $4 \times 4 =$ _____
4. $7 \times 7 =$ _____
5. $6 \times 10 =$ _____
6. $5 \times 8 =$ _____
7. $8 \times 1 =$ _____
8. $5 \times 4 =$ _____
9. $6 \times 9 =$ _____
10. $9 \times 8 =$ _____
11. $9 \times 9 =$ _____
12. $4 \times 3 =$ _____
13. $8 \times 2 =$ _____
14. $7 \times 6 =$ _____
15. $5 \times 6 =$ _____
16. $3 \times 5 =$ _____
17. $8 \times 7 =$ _____
18. $2 \times 7 =$ _____
19. $2 \times 2 =$ _____
20. $3 \times 7 =$ _____

Division



Divide. Write each answer on the line.

Name _____ Date _____

1. 4 ÷ 4 = _____
2. 18 ÷ 9 = _____
3. 28 ÷ 4 = _____
4. 10 ÷ 10 = _____
5. 56 ÷ 8 = _____
6. 7 ÷ 1 = _____
7. 60 ÷ 10 = _____
8. 30 ÷ 10 = _____
9. 7 ÷ 7 = _____
10. 54 ÷ 6 = _____
11. 10 ÷ 2 = _____
12. 80 ÷ 8 = _____
13. 12 ÷ 4 = _____
14. 24 ÷ 6 = _____
15. 63 ÷ 9 = _____
16. 6 ÷ 6 = _____
17. 20 ÷ 10 = _____
18. 40 ÷ 5 = _____
19. 2 ÷ 2 = _____
20. 21 ÷ 7 = _____

Missing number



Write the missing number in each box. The two sides of = are the same amount.

Name _____ Date _____

1. ☐ × 6 = 54
2. ☐ ÷ 9 = 10
3. 5 × ☐ = 30
4. ☐ ÷ 8 = 7
5. ☐ × 9 = 27
6. 16 ÷ ☐ = 8
7. ☐ × 4 = 40
8. ☐ ÷ 7 = 7
9. ☐ × 7 = 14
10. 20 ÷ ☐ = 4
11. 8 = 2 × ☐
12. 50 ÷ 5 = ☐
13. 2 × 4 = ☐
14. ☐ ÷ 2 = 6
15. ☐ × 10 = 90
16. ☐ = 70 ÷ 10
17. 21 = 3 × ☐
18. 50 ÷ ☐ = 10
19. 10 × ☐ = 50
20. ☐ ÷ 3 = 4
21. ☐ = 5 × 5
22. 48 ÷ ☐ = 6
23. ☐ = 4 × 10
24. 49 ÷ 7 = ☐

Word problems



Read each problem. Work it out in the box, then write the answer with its unit.

Name _____ Date _____

1. A baker packs 14 cookies in bags of 2. How many bags does the baker fill?

Answer: _____

2. Noah plants 8 rows of carrots with 3 carrots in each row. How many carrots are there?

Answer: _____

3. Each table seats 3 people. How many people can sit at 7 tables?

Answer: _____

4. Ava shares 90 grapes equally among 9 friends. How many grapes does each friend get?

Answer: _____

5. There are 5 boxes with 8 crayons in each box. How many crayons are there in all?

Answer: _____

6. There are 40 pencils to put into boxes of 4. How many boxes are filled?

Answer: _____

Number pattern



Find the step and fill in the boxes. Some patterns count on, some count back.

Name _____ Date _____

1. 17, 21, ☐, 29, 33, ☐, ☐

2. 87, 78, 69, 60, ☐, ☐, ☐

3. 38, 45, 52, ☐, 66, ☐, ☐

4. 71, 63, ☐, ☐, 39, 31, ☐

5. 51, 56, 61, ☐, ☐, 76, ☐

6. 46, 42, 38, 34, ☐, ☐, ☐

7. 23, 33, 43, 53, ☐, ☐, ☐

8. 31, 28, 25, ☐, ☐, 16, ☐

9. 49, 54, 59, 64, ☐, ☐, ☐

10. 34, 32, ☐, 28, ☐, 24, ☐

11. 35, 43, 51, ☐, 67, ☐, ☐

12. 83, 78, ☐, ☐, 63, 58, ☐

Rounding to the nearest 10 and 100

Round to the nearest 10, then the nearest 100. The next digit to the right decides: 5 or more rounds up.

Name _____ Date _____

1. 846 nearest 10 _____
   nearest 100 _____

2. 973 nearest 10 _____
   nearest 100 _____

3. 877 nearest 10 _____
   nearest 100 _____

4. 498 nearest 10 _____
   nearest 100 _____

5. 955 nearest 10 _____
   nearest 100 _____

6. 254 nearest 10 _____
   nearest 100 _____

7. 325 nearest 10 _____
   nearest 100 _____

8. 284 nearest 10 _____
   nearest 100 _____

9. 162 nearest 10 _____
   nearest 100 _____

10. 987 nearest 10 _____
    nearest 100 _____

11. 348 nearest 10 _____
    nearest 100 _____

12. 958 nearest 10 _____
    nearest 100 _____

13. 626 nearest 10 _____
    nearest 100 _____

14. 875 nearest 10 _____
    nearest 100 _____

15. 999 nearest 10 _____
    nearest 100 _____

16. 452 nearest 10 _____
    nearest 100 _____

17. 874 nearest 10 _____
    nearest 100 _____

18. 947 nearest 10 _____
    nearest 100 _____

19. 652 nearest 10 _____
    nearest 100 _____

20. 555 nearest 10 _____
    nearest 100 _____

Multi-digit addition



Add. Start with the ones. When a column makes 10 or more, write the 1 above the next column.

Name _____ Date _____

1.
630
+ 293

2.
348
+ 106

3.
498
+ 381

4.
255
+ 472

5.
299
+ 223

6.
409
+ 258

7.
395
+ 163

8.
668
+ 209

9.
121
+ 393

10.
198
+ 356

11.
198
+ 225

12.
608
+ 163

13.
384
+ 349

14.
282
+ 521

15.
409
+ 401

16.
370
+ 180

17.
158
+ 809

18.
207
+ 155

19.
253
+ 466

20.
680
+ 258

Multi-digit subtraction



Take away. Start with the ones. When the top digit is smaller, take a ten from the next column.

Name _____ Date _____

1.
$$\begin{array}{r} 430 \\ -\ 294 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 144 \\ -\ 108 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 952 \\ -\ 815 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 810 \\ -\ 360 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 112 \\ -\ 108 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 341 \\ -\ 192 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 511 \\ -\ 298 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 940 \\ -\ 896 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 385 \\ -\ 169 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 514 \\ -\ 432 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 707 \\ -\ 183 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 924 \\ -\ 563 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 621 \\ -\ 552 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 977 \\ -\ 596 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 702 \\ -\ 622 \\ \hline \end{array}$$

16.
$$\begin{array}{r} 938 \\ -\ 486 \\ \hline \end{array}$$

17.
$$\begin{array}{r} 857 \\ -\ 197 \\ \hline \end{array}$$

18.
$$\begin{array}{r} 861 \\ -\ 494 \\ \hline \end{array}$$

19.
$$\begin{array}{r} 763 \\ -\ 544 \\ \hline \end{array}$$

20.
$$\begin{array}{r} 721 \\ -\ 673 \\ \hline \end{array}$$

Fraction strips

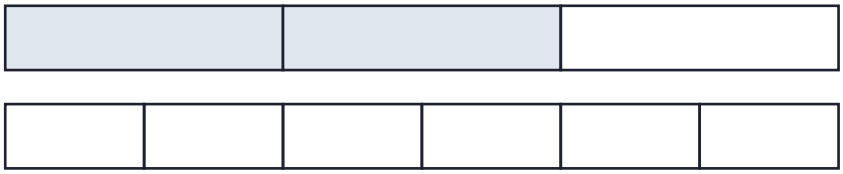
1											
1/2						1/2					
1/3				1/3				1/3			
1/4			1/4			1/4			1/4		
1/5		1/5			1/5			1/5			1/5
1/6		1/6			1/6			1/6			1/6
1/8		1/8		1/8		1/8		1/8		1/8	
1/10		1/10		1/10		1/10		1/10		1/10	
1/12		1/12		1/12		1/12		1/12		1/12	

Every strip is one whole. Line two strips up to see which fractions are equal: two fourths cover one half.

Equivalent fractions

The two bars are the same length. Shade the second bar to match the first, then write the missing number.

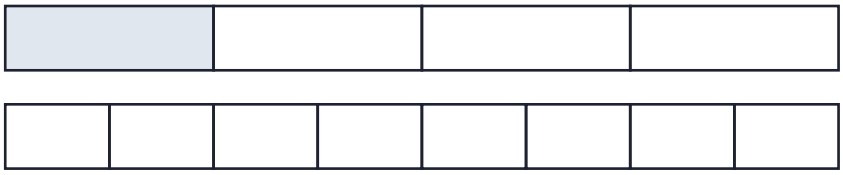
Name _____ Date _____

1. 

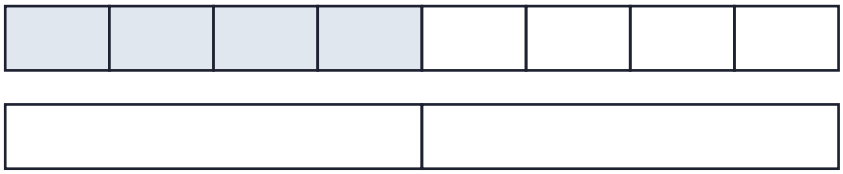
$\frac{2}{3} = \frac{\square}{6}$

2. 

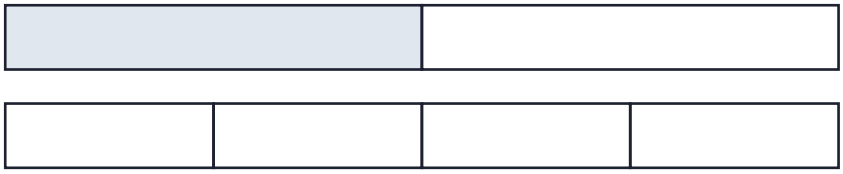
$\frac{2}{6} = \frac{\square}{3}$

3. 

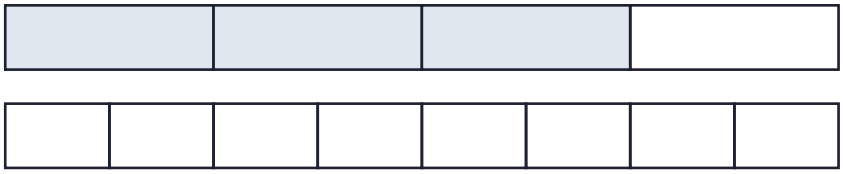
$\frac{1}{4} = \frac{\square}{8}$

4. 

$\frac{4}{8} = \frac{\square}{2}$

5. 

$\frac{1}{2} = \frac{\square}{4}$

6. 

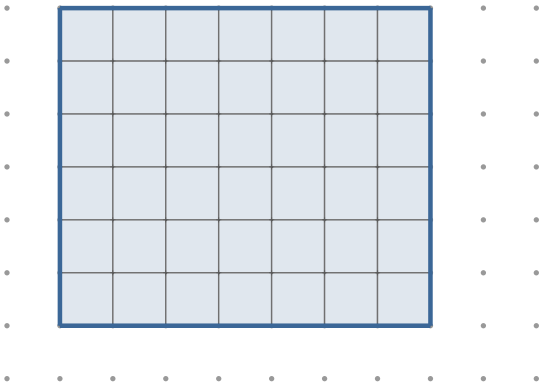
$\frac{3}{4} = \frac{\square}{8}$

Area and perimeter

Each square is 1 unit. Count the units round the edge for the perimeter and the squares inside for the area.

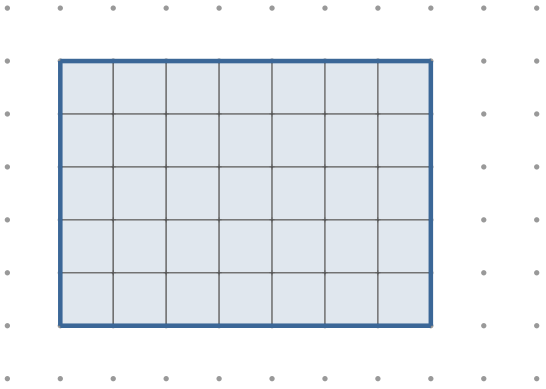
Name _____ Date _____

1.



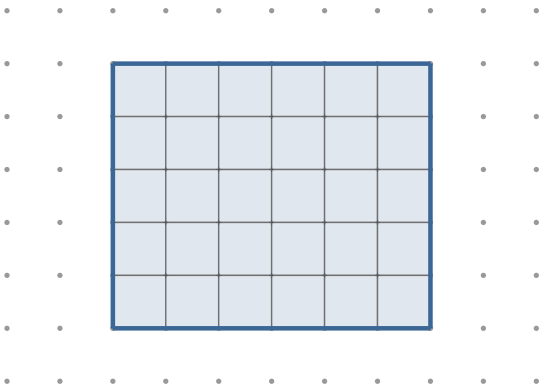
Perimeter: _____ Area: _____

2.



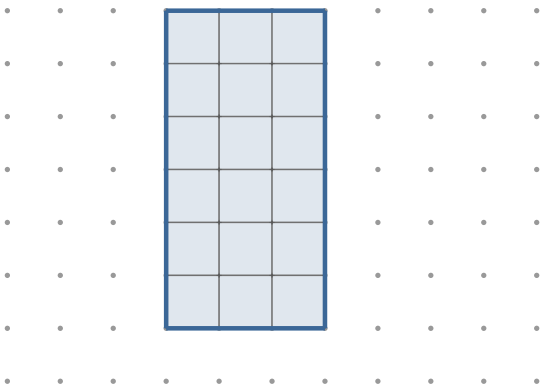
Perimeter: _____ Area: _____

3.



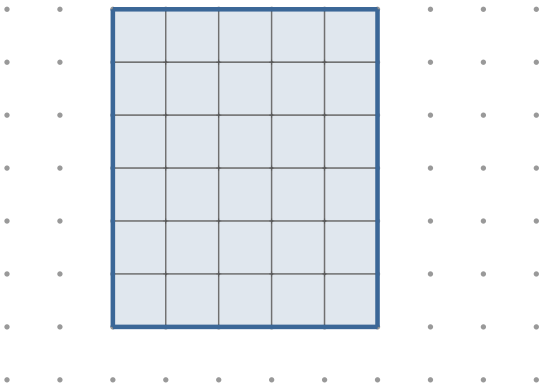
Perimeter: _____ Area: _____

4.



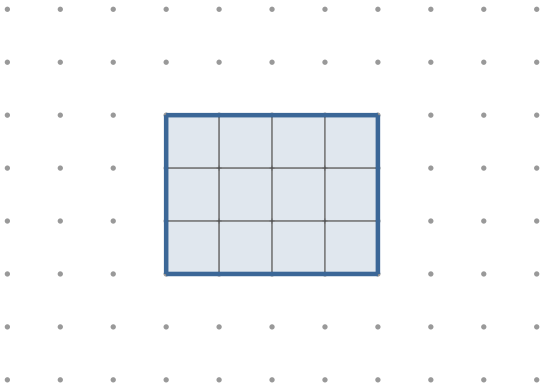
Perimeter: _____ Area: _____

5.



Perimeter: _____ Area: _____

6.



Perimeter: _____ Area: _____

Picture graph

Each picture stands for 2, and half a picture for 1. Answer the questions.

Name _____ Date _____

1. Pets in our class

Dogs	
Cats	
Fish	
Rabbits	

 Key: each picture stands for 2 pets.

a. How many cats are there?

_____

b. Which kind of pet is there the most of?

_____

c. How many more rabbits are there than cats?

_____

d. How many pets are there in all?

_____

2. Birds at the feeder

Robins	
Sparrows	
Finches	
Jays	

 Key: each picture stands for 2 birds.

a. How many robins came?

_____

b. Which bird came the most?

_____

c. How many more robins came than sparrows?

_____

d. How many birds came in all?

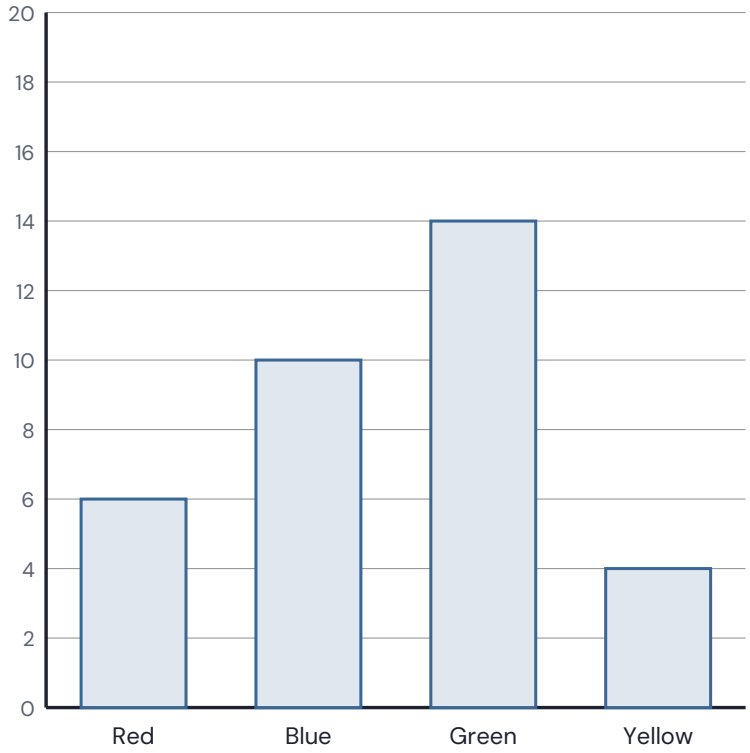
_____

Bar graph

Read the bar graph. Look first at how the numbers up the side go up: in 2s or in 5s. Then answer the questions.

Name _____ Date _____

1. Our favourite colour



a. How many children chose yellow?

_____

b. Which colour did the most children choose?

_____

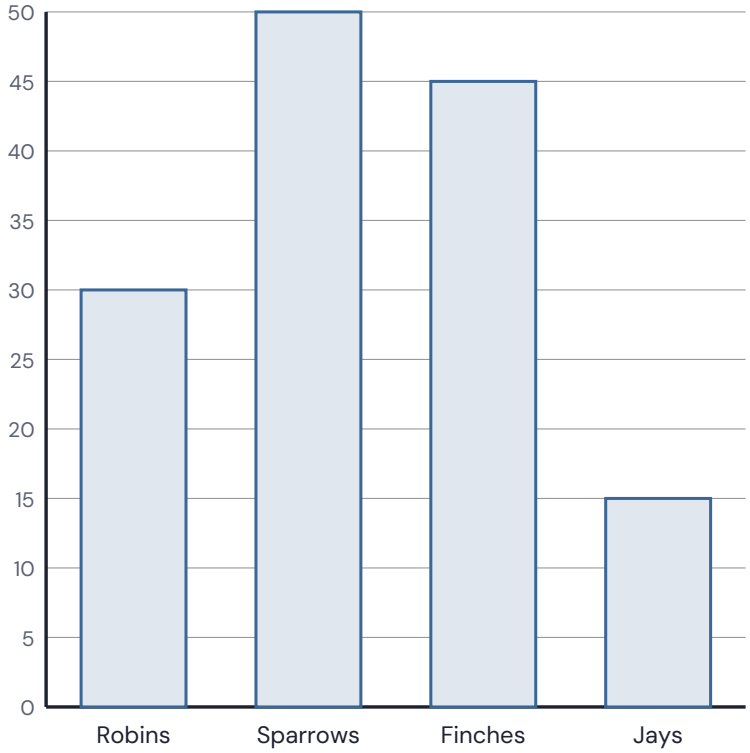
c. How many more children chose blue than red?

_____

d. How many children chose a colour in all?

_____

2. Birds at the feeder



a. How many sparrows came?

_____

b. Which bird came the most?

_____

c. How many more finches came than robins?

_____

d. How many birds came in all?

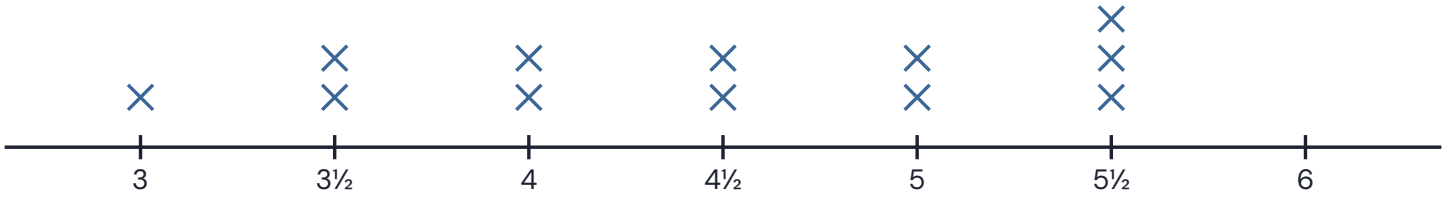
_____

Line plot

Each X is one thing measured. Read the line plot, then answer the questions.

Name _____ Date _____

1. Pencils in our class



Length in inches

a. How many pencils are 5 inches long?

_____

b. Which length is the most common?

_____

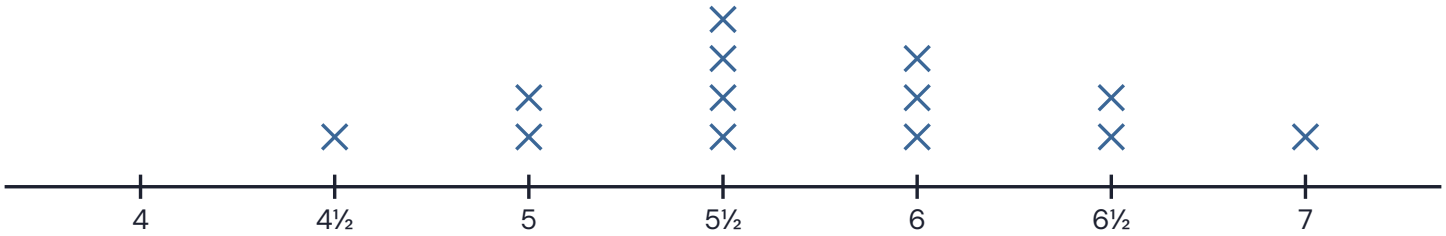
c. How much longer is the longest pencil than the shortest?

_____

d. How many pencils were measured in all?

_____

2. Ribbon pieces for a craft



Length in inches

a. How many ribbons are 6 inches long?

_____

b. Which length is the most common?

_____

c. How much longer is the longest ribbon than the shortest?

_____

d. How many ribbons were measured in all?

_____

Measuring length

Measure each line with a ruler, from the left end. Write its length to the nearest quarter inch.

Name _____ Date _____

1.  _____ in

2.  _____ in

3.  _____ in

4.  _____ in

5.  _____ in

6.  _____ in

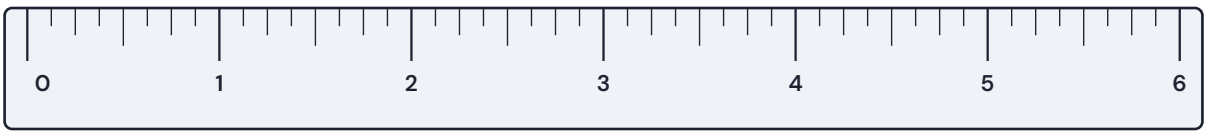
7. Draw a line 2 inches long, from the dot.

•

8. Draw a line 5 inches long, from the dot.

•

No ruler? Cut this one out. Printed at Actual size (100%), its marks are true inches.



inches

Answer key

Multiplication

1. **80**
2. **20**
3. **16**
4. **49**
5. **60**
6. **40**
7. **8**
8. **20**
9. **54**
10. **72**
11. **81**
12. **12**
13. **16**
14. **42**
15. **30**
16. **15**
17. **56**
18. **14**
19. **4**
20. **21**

Answer key

Division

1. **1**
2. **2**
3. **7**
4. **1**
5. **7**
6. **7**
7. **6**
8. **3**
9. **1**
10. **9**
11. **5**
12. **10**
13. **3**
14. **4**
15. **7**
16. **1**
17. **2**
18. **8**
19. **1**
20. **3**

Answer key

Missing number

1. 9 (9 × 6 = 54)
2. 90 (90 ÷ 9 = 10)
3. 6 (5 × 6 = 30)
4. 56 (56 ÷ 8 = 7)
5. 3 (3 × 9 = 27)
6. 2 (16 ÷ 2 = 8)
7. 10 (10 × 4 = 40)
8. 49 (49 ÷ 7 = 7)
9. 2 (2 × 7 = 14)
10. 5 (20 ÷ 5 = 4)
11. 4 (8 = 2 × 4)
12. 10 (50 ÷ 5 = 10)
13. 8 (2 × 4 = 8)
14. 12 (12 ÷ 2 = 6)
15. 9 (9 × 10 = 90)
16. 7 (7 = 70 ÷ 10)
17. 7 (21 = 3 × 7)
18. 5 (50 ÷ 5 = 10)
19. 5 (10 × 5 = 50)
20. 12 (12 ÷ 3 = 4)
21. 25 (25 = 5 × 5)
22. 8 (48 ÷ 8 = 6)
23. 40 (40 = 4 × 10)
24. 7 (49 ÷ 7 = 7)

Answer key

Word problems

1. **14 ÷ 2 = 7 bags**
2. **8 × 3 = 24 carrots**
3. **7 × 3 = 21 people**
4. **90 ÷ 9 = 10 grapes**
5. **5 × 8 = 40 crayons**
6. **40 ÷ 4 = 10 boxes**

Answer key

Number pattern

1. 17, 21, 25, 29, 33, 37, 41 (add 4 each time)
2. 87, 78, 69, 60, 51, 42, 33 (take away 9 each time)
3. 38, 45, 52, 59, 66, 73, 80 (add 7 each time)
4. 71, 63, 55, 47, 39, 31, 23 (take away 8 each time)
5. 51, 56, 61, 66, 71, 76, 81 (add 5 each time)
6. 46, 42, 38, 34, 30, 26, 22 (take away 4 each time)
7. 23, 33, 43, 53, 63, 73, 83 (add 10 each time)
8. 31, 28, 25, 22, 19, 16, 13 (take away 3 each time)
9. 49, 54, 59, 64, 69, 74, 79 (add 5 each time)
10. 34, 32, 30, 28, 26, 24, 22 (take away 2 each time)
11. 35, 43, 51, 59, 67, 75, 83 (add 8 each time)
12. 83, 78, 73, 68, 63, 58, 53 (take away 5 each time)

Rounding to the nearest 10 and 100: answer key

The answer in colour, after the two numbers it lies between.

1. 846 nearest 10 840 or 850? **850**
   nearest 100 800 or 900? **800**

2. 973 nearest 10 970 or 980? **970**
   nearest 100 900 or 1,000? **1,000**

3. 877 nearest 10 870 or 880? **880**
   nearest 100 800 or 900? **900**

4. 498 nearest 10 490 or 500? **500**
   nearest 100 400 or 500? **500**

5. 955 nearest 10 950 or 960? **960**
   nearest 100 900 or 1,000? **1,000**

6. 254 nearest 10 250 or 260? **250**
   nearest 100 200 or 300? **300**

7. 325 nearest 10 320 or 330? **330**
   nearest 100 300 or 400? **300**

8. 284 nearest 10 280 or 290? **280**
   nearest 100 200 or 300? **300**

9. 162 nearest 10 160 or 170? **160**
   nearest 100 100 or 200? **200**

10. 987 nearest 10 980 or 990? **990**
    nearest 100 900 or 1,000? **1,000**

11. 348 nearest 10 340 or 350? **350**
    nearest 100 300 or 400? **300**

12. 958 nearest 10 950 or 960? **960**
    nearest 100 900 or 1,000? **1,000**

13. 626 nearest 10 620 or 630? **630**
    nearest 100 600 or 700? **600**

14. 875 nearest 10 870 or 880? **880**
    nearest 100 800 or 900? **900**

15. 999 nearest 10 990 or 1,000? **1,000**
    nearest 100 900 or 1,000? **1,000**

16. 452 nearest 10 450 or 460? **450**
    nearest 100 400 or 500? **500**

17. 874 nearest 10 870 or 880? **870**
    nearest 100 800 or 900? **900**

18. 947 nearest 10 940 or 950? **950**
    nearest 100 900 or 1,000? **900**

19. 652 nearest 10 650 or 660? **650**
    nearest 100 600 or 700? **700**

20. 555 nearest 10 550 or 560? **560**
    nearest 100 500 or 600? **600**

Answer key

Multi-digit addition

1. **630 + 293 = 923**
2. **348 + 106 = 454**
3. **498 + 381 = 879**
4. **255 + 472 = 727**
5. **299 + 223 = 522**
6. **409 + 258 = 667**
7. **395 + 163 = 558**
8. **668 + 209 = 877**
9. **121 + 393 = 514**
10. **198 + 356 = 554**
11. **198 + 225 = 423**
12. **608 + 163 = 771**
13. **384 + 349 = 733**
14. **282 + 521 = 803**
15. **409 + 401 = 810**
16. **370 + 180 = 550**
17. **158 + 809 = 967**
18. **207 + 155 = 362**
19. **253 + 466 = 719**
20. **680 + 258 = 938**

Answer key

Multi-digit subtraction

1. **430 − 294 = 136**
2. **144 − 108 = 36**
3. **952 − 815 = 137**
4. **810 − 360 = 450**
5. **112 − 108 = 4**
6. **341 − 192 = 149**
7. **511 − 298 = 213**
8. **940 − 896 = 44**
9. **385 − 169 = 216**
10. **514 − 432 = 82**
11. **707 − 183 = 524**
12. **924 − 563 = 361**
13. **621 − 552 = 69**
14. **977 − 596 = 381**
15. **702 − 622 = 80**
16. **938 − 486 = 452**
17. **857 − 197 = 660**
18. **861 − 494 = 367**
19. **763 − 544 = 219**
20. **721 − 673 = 48**

Answer key

Equivalent fractions

1. **2/3 = 4/6**
2. **2/6 = 1/3**
3. **1/4 = 2/8**
4. **4/8 = 1/2**
5. **1/2 = 2/4**
6. **3/4 = 6/8**

Answer key

Area and perimeter

1. **Perimeter 26 units · Area 42 square units**
2. **Perimeter 24 units · Area 35 square units**
3. **Perimeter 22 units · Area 30 square units**
4. **Perimeter 18 units · Area 18 square units**
5. **Perimeter 22 units · Area 30 square units**
6. **Perimeter 14 units · Area 12 square units**

Answer key

Picture graph

1. Pets in our class

Counts: Dogs 3, Cats 16, Fish 18, Rabbits 17

a. 16

b. Fish

c. 1

d. 54

2. Birds at the feeder

Counts: Robins 9, Sparrows 8, Finches 13, Jays 7

a. 9

b. Finches

c. 1

d. 37

Answer key

Bar graph

1. Our favourite colour

a. 4

b. Green

c. 4

d. 34

2. Birds at the feeder

a. 50

b. Sparrows

c. 15

d. 140

Answer key

Line plot

1. Pencils in our class

a. 2

b. 5½ inches

c. 2½ inches

d. 12

2. Ribbon pieces for a craft

a. 3

b. 5½ inches

c. 2½ inches

d. 13

Answer key

Measuring length

1. **¼ in**
2. **3¾ in**
3. **¾ in**
4. **5½ in**
5. **3½ in**
6. **5¼ in**
7. **Draw 2 in**
8. **Draw 5 in**