Name: _____ Date: _____

Placement Test for
Primary Mathematics 4A

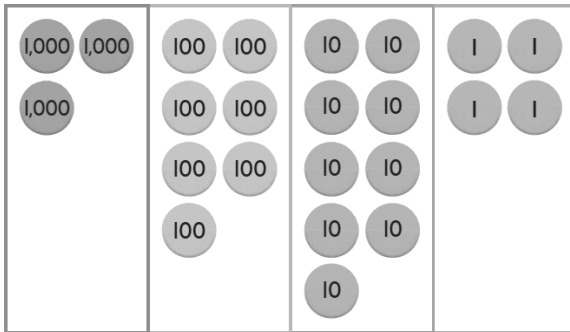1. Which of the following is equal to 8,319? [1]

   (A) 8,000 + 100 + 30 + 9

   (B) 8,000 + 300 + 10 + 9

   (C) 800 + 300 + 100 + 9

   (D) 800 + 30 + 100 + 90

2. Count. [2]

   (a) Write the number in standard form. _____

   (b) Write the number in word form.

   _____

3. In 6,752, [4]

   (a) the value of the digit 6 is _____.

   (b) the digit _____ is in the hundreds place.

   (c) the digit 5 stands for _____.

   (d) the digit _____ is in the ones place.

4. Write **<**, **=**, or **>**. [4]

(a) 4,180 ◯ 4,017

(b) 5,249 ◯ 5,942

(c) 1,306 + 100 ◯ 1,935

(d) 4,260 ◯ 3,260 + 1,000

5. Order the numbers from least to greatest. [4]

| 7,5ll | 7,45l | 8,52l | 7,54l |

_____, _____, _____, _____

   least   greatest

6. Write the missing numbers. [3]

(a) _____ is 10 more than 4,570.

(b) 6,452 is 100 less than _____.

(c) _____ is 1,000 less than 9,018.

7. Find the missing numbers in the number pattern. [2]

2,157, 2,147, 2,137, _____, 2,117, _____

8. Round each number to the nearest ten. [2]

(a) 176 _____

(b) 2,645 _____

9. Round each number to the nearest hundred. [2]

(a) 604 _____

(b) 7,350 _____

10. Solve. [2]

(a) 8,997 + 1,003 (b) 8,621 − 4,365

11. Sara and Noah have a total of 3,256 game cards. Sara has 1,379 game cards. How many more game cards does Noah have than Sara? [3]

Noah has _____ more game cards than Sara.

12. There were 2,906 adults at a concert. There were 59 fewer
     children than adults at the concert. How many people were at
     the concert in all?   [3]

     There were _____ people at the concert in all.

13. 5 children bought a pair of socks each. They paid $20 altogether.
     What was the cost of each pair of socks?   [1]

     (A) $2   (B) $3
     (C) $4   (D) $5

14. Write the missing numbers.   [6]
     (a) $4 \times 7 =$ _____   (b) $9 \times 8 =$ _____

     (c) _____ $\times 5 = 50$ (d) $4 \times$ _____ $= 24$

     (e) $18 \div 6 =$ _____   (f) $81 \div 9 =$ _____

Solve. Show your work.

15. Adam packed 42 toy cars into boxes of 6 each. He took 4 minutes to pack each box. How much time did Adam take in all? [2]

16. What is the sum of 256,147 and 541,502? [1]

Ⓐ 285,355   Ⓑ 286,000

Ⓒ 797,600   Ⓓ 797,649

17. What is the product of 2,196 and 4? [1]

Ⓐ 8,784   Ⓑ 4,392

Ⓒ 2,192   Ⓓ 549

18. Add or subtract. Show your work. [4]

(a) 364,597 + 207,842   (b) 620,756 – 315,974

= _____   = _____

19. Divide. Show your work. [4]

(a) 1,864 ÷ 4 = _____ (b) 2,097 ÷ 7 = _____

$$4\overline{)1\ 8\ 6\ 4}$$

$$7\overline{)2\ 0\ 9\ 7}$$

Solve. Show your work.

20. A clothing supplier produced 384,162 T-shirts last year. This year, it produced 120,409 fewer T-shirts than last year. How many T-shirts did the supplier produce in the two years? [3]
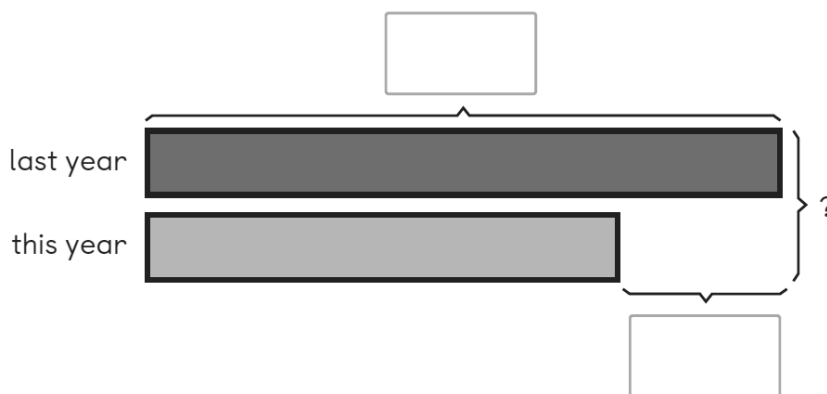
21. Some students made 4,740 greeting cards to sell for charity. They bundled the cards equally in packs of 3. Each pack was sold for $4. How much money could they raise for charity?   [3]
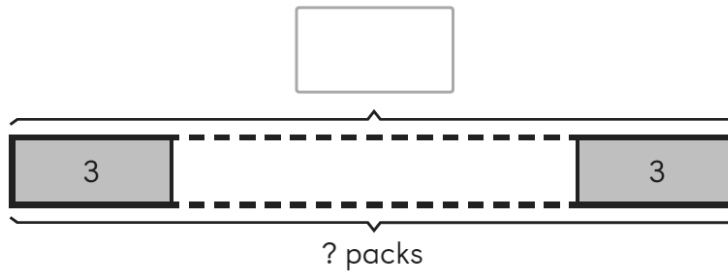
22. Which number is a common multiple of 2 and 3?   [1]

   (A) 2   (B) 3
   (C) 4   (D) 6

23. (a) Color to show the fractions. [6]

$\frac{3}{6}$

$\frac{2}{3}$

$\frac{1}{4}$

$\frac{2}{8}$

$\frac{1}{2}$

$\frac{3}{4}$

(b) Which fractions are equal? [2]

_____ and _____   _____ and _____

(c) Write < or >. [2]

$\frac{1}{4}$ ◯ $\frac{3}{4}$ $\frac{2}{3}$ ◯ $\frac{2}{8}$
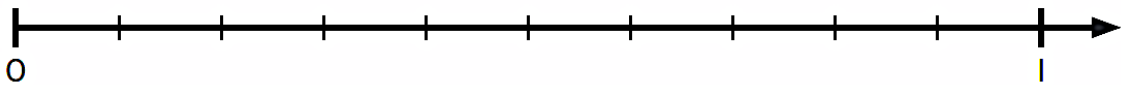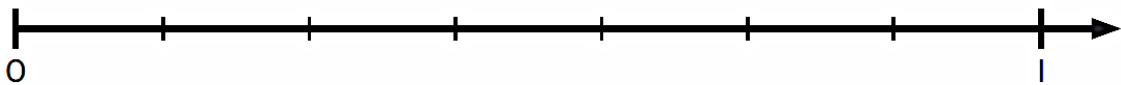
24. Order the fractions from least to greatest. [3]

$\frac{5}{6}$ $\frac{1}{8}$ $\frac{1}{6}$

_____, _____, _____

least   greatest

25. Write the missing fractions. [3]

_____ of the shape is shaded.

_____ of the shape is not shaded.

_____ and _____ make 1 whole.

26. Write the missing fractions on the number line. [5]

27. Write $\frac{3}{5}$, $\frac{7}{10}$, and $\frac{1}{2}$ on the number line. [3]

$$\frac{1}{5}$$

0    $\frac{1}{10}$
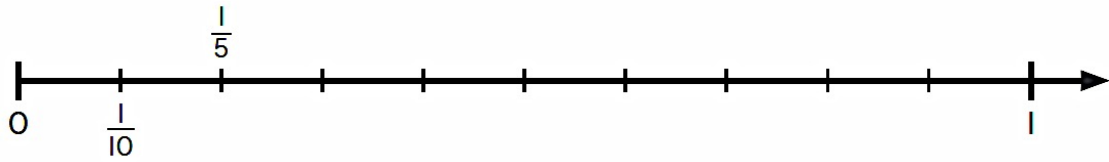
28. (a) Write $\frac{4}{7}$ and $\frac{4}{10}$ on the number lines. [2]

0

0

(b) Write **<** or **>**. [1]

$\frac{4}{7}$ $\bigcirc$ $\frac{4}{10}$
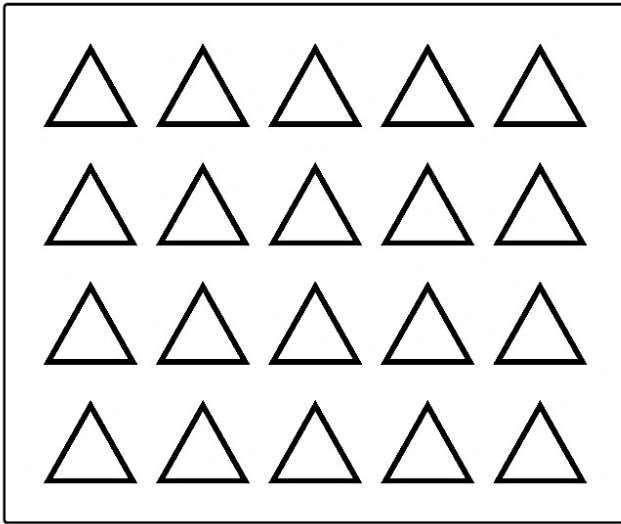
29. Which two statements are correct? [2]

(A) The denominator of $\frac{3}{10}$ is 10.

(B) The numerator of $\frac{4}{7}$ is 7.

(C) $\frac{2}{9}$ and $\frac{2}{5}$ are like fractions.

(D) $\frac{11}{8}$ is greater than 1 whole.

30. Add or subtract. Express your answers in simplest form. [2]

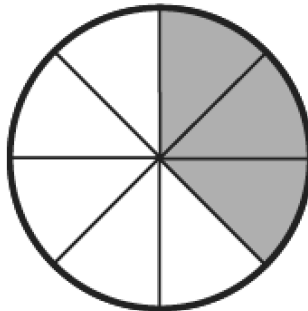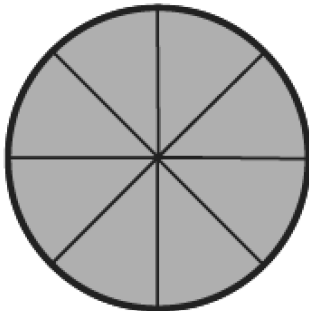(a) $\dfrac{5}{8} + \dfrac{1}{8}$ (b) $\dfrac{11}{12} - \dfrac{4}{12}$

31. Color to find the value of each fraction of the set. [2]
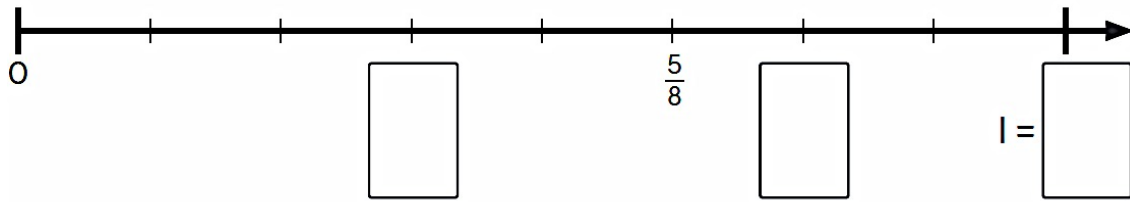

$\dfrac{3}{5}$ of 20 = _____

$\dfrac{2}{5}$ of 20 = _____

32. How many eighths are there? [1]

$\dfrac{\ \ }{8}$

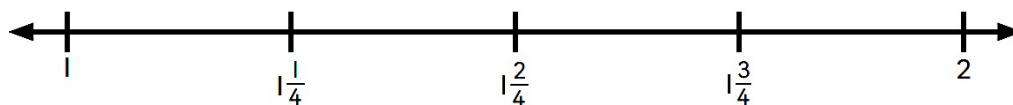33. Write the missing fractions on the number line. [3]

34. Karina has some paper strips in different lengths. The tally chart shows the number of paper strips she has. [3]

Length (inches)	Number of Paper Strips
$1\frac{1}{4}$	IIII
$1\frac{2}{4}$	HHI II
$1\frac{3}{4}$	
2	III

Make a line plot to show the data.

Length of Paper Strips
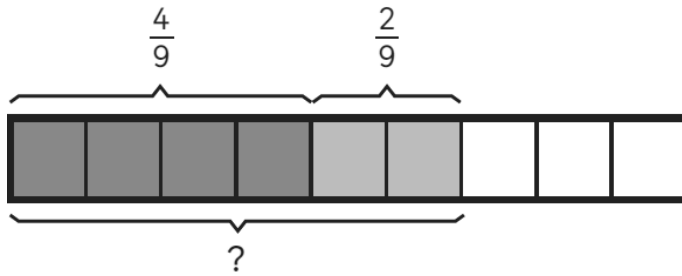

Length (inches)

Key: Each ✗ represents 1 paper strip.

35. Kiara painted of a wall. Joseph painted of the same wall.

What fraction of the wall did they paint altogether?

Express your answer in simplest form. [2]

$$\frac{4}{9} \qquad \frac{2}{9}$$

?

Answer Key

1.   B

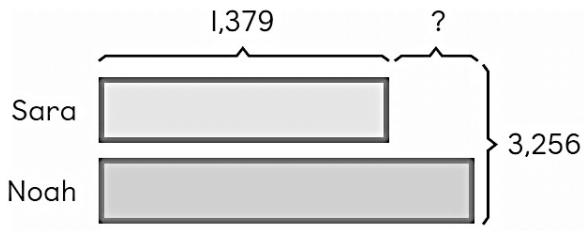2.   (a)   3794

      (b)   three thousand, seven hundred ninety-four

3.   (a)   6,000 (b)   7

      (c)   50   (d)   2

4.   (a)   >   (b)   <

      (c)   <   (d)   =

5.   7,451, 7,511, 7,541, 8,521

6.   (a)   4,580 (b)   6,552

      (c)   8,018

7.   2,127, 2,107

8.   (a)   180   (b)   2,650

9.   (a)   600   (b)   7,400

10.   (a)   10,000

```
        I  I  I
        8  9  9  7
    +   I  0  0  3
    ─────────────────
    I   0  0  0  0
```

      (b)   4,256

```
              II
          5 \  II
        8 6\ 2\ \
    −   4  3  6  5
    ─────────────────
        4  2  5  6
```

11.

3,256 − 1,379 = 1,877

Noah has 1,877 game cards.

1,877 − 1,379 = 498

498

12.

2,906 − 59 = 2,847

There were 2,847 children.

2,906 + 2,847 = 5,753

5,753

13. C

14. (a) 28 (b) 72

(c) 10 (d) 6

(e) 3 (f) 9

15. 42 ÷ 6 = 7

There were 7 boxes of toy cars.

7 × 4 = 28

Adam took 28 minutes in all.

16. D

17. A

18. (a) 572,439

```
        1  1  1
     3  6  4  5  9  7
  +  2  0  7  8  4  2
  ─────────────────────
     5  7  2  4  3  9
```

(b) 304,782

```
              9  16
        1  10  6  15
     6  2  0  7  5  6
  -  3  1  5  9  7  4
  ─────────────────────
     3  0  4  7  8  2
```

19. (a) 466

```
           4 6 6
      ┌─────────
    4 │ 1 8 6 4
        1 6
        ─────
          2 6
          2 4
          ─────
            2 4
            2 4
            ─────
              0
```

(b) 299 R4

```
           2 9 9 R 4
      ┌─────────
    7 │ 2 0 9 7
        1 4
        ─────
          6 9
          6 3
          ─────
            6 7
            6 3
            ─────
              4
```

20.
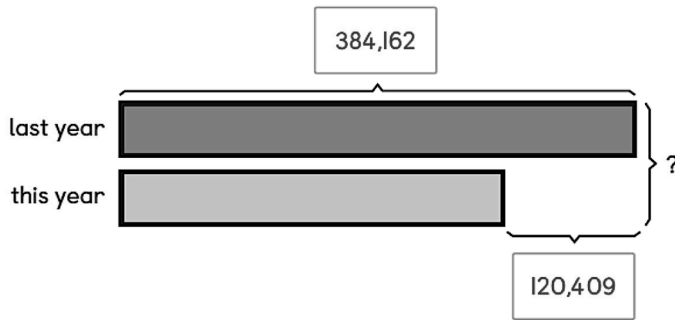
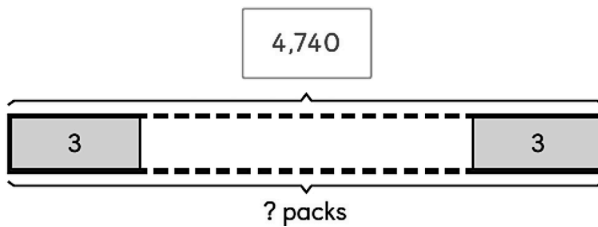384,162 − 120,409 = 263,753

This year, the supplier produced 263,753 T-shirts.

263,753 + 384,162 = 647,915

The supplier produced 647,915 T-shirts in the two years.

21.

4,740 ÷ 3 = 1,580

There were 1,580 packs of greeting cards.

1,580 × 4 = 6,320

They could raise $6,320 for charity.

22.   D

23. (a)

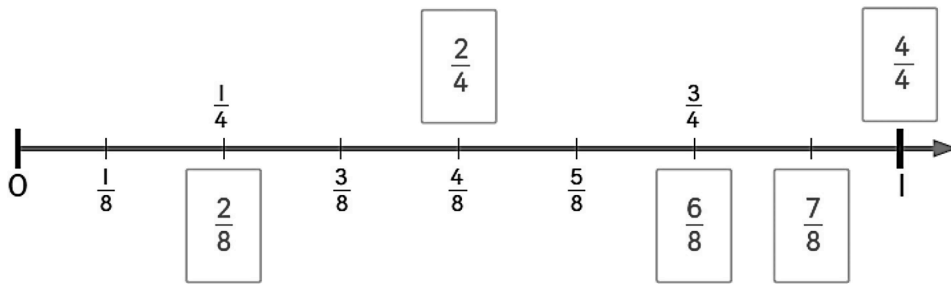$\frac{3}{6}$

$\frac{2}{3}$

$\frac{1}{4}$

$\frac{2}{8}$

$\frac{1}{2}$

$\frac{3}{4}$

(b) $\frac{3}{6}$, $\frac{1}{2}$

$\frac{1}{4}$, $\frac{2}{8}$

(c) $<$

$>$

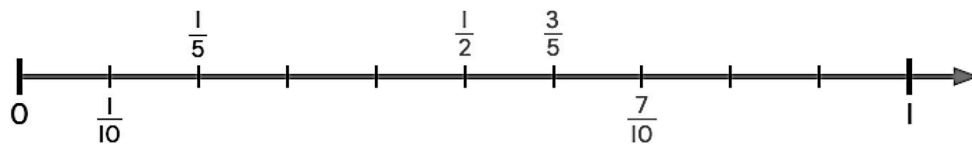24. $\frac{1}{8}$, $\frac{1}{6}$, $\frac{5}{6}$

25. $\frac{4}{6}$
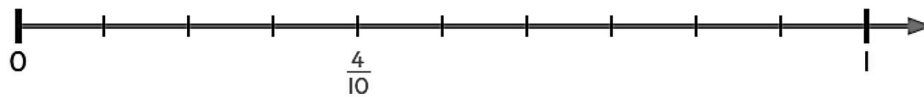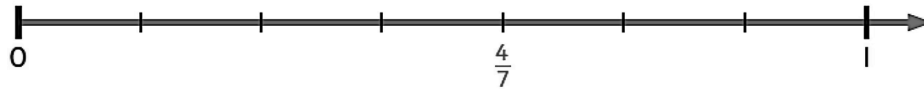
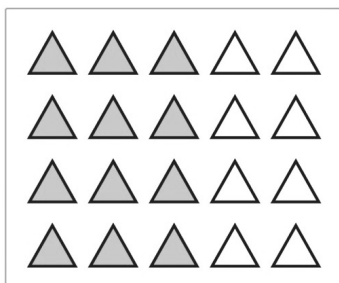$\frac{2}{6}$

$\frac{4}{6}$, $\frac{2}{6}$

26.

27.

28. (a)

(b) >

29. A and D

30. (a) $\frac{6}{8}, \frac{3}{4}$

(b) $\frac{7}{12}$

31.

12, 8

32. 11

33.

Number line with 0 marked, boxes showing $\frac{3}{8}$, $\frac{5}{8}$, $\frac{6}{8}$, and $I = \frac{8}{8}$

34.

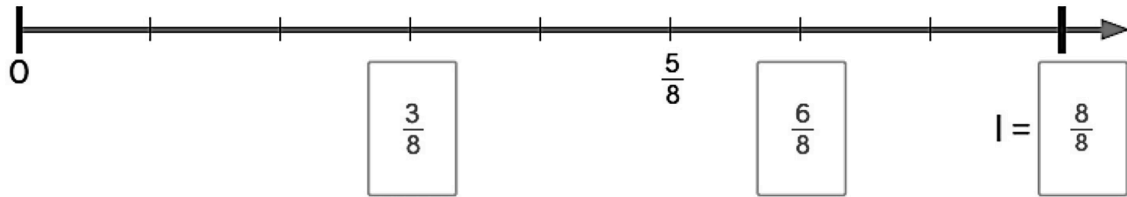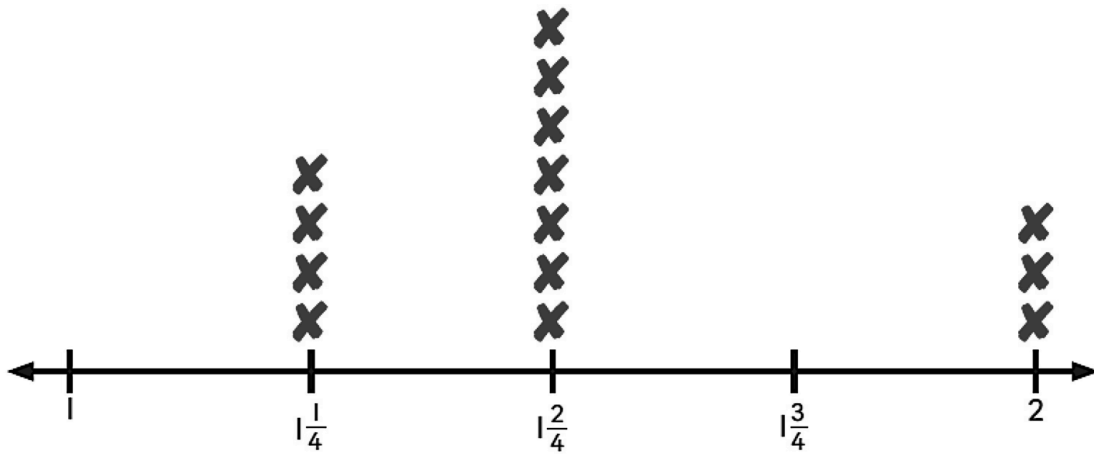Number line with marks at I, $I\frac{1}{4}$, $I\frac{2}{4}$, $I\frac{3}{4}$, 2 with X marks above

35. $\dfrac{4}{9} + \dfrac{2}{9} = \dfrac{6}{9}$

$= \dfrac{2}{3}$

They painted $\dfrac{2}{3}$ of the wall altogether.