Name: _____ Date: _____
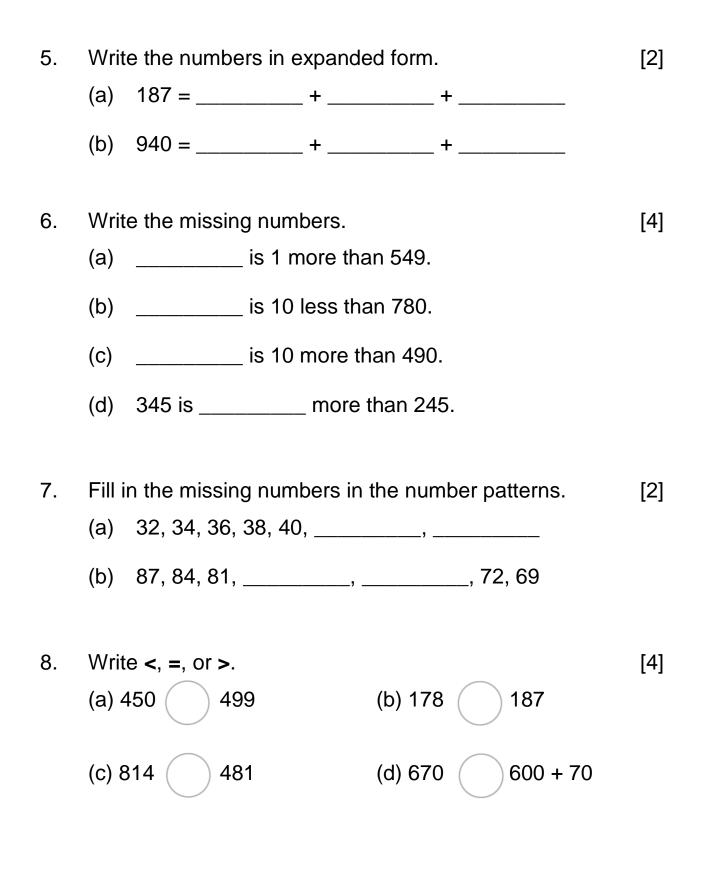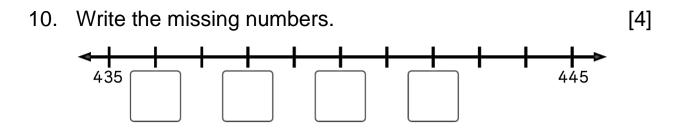
Placement Test for
Primary Mathematics 3A

1. Count and write the numbers. [1]

   _____

2. Write the numbers in standard form. [2]

   (a) four hundred seventeen _____

   (b) nine hundred five _____

3. Write the numbers in word form. [2]

   (a) 845

   _____

   (b) 720

   _____

4. Write the missing numbers. [2]

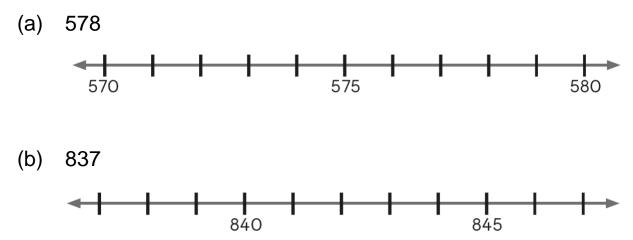   (a) 4 hundreds 8 tens 5 ones = _____

   (b) 813 = _____ hundreds 1 ten 3 ones

5. Write the numbers in expanded form. [2]

(a) 187 = _____ + _____ + _____

(b) 940 = _____ + _____ + _____

6. Write the missing numbers. [4]

(a) _____ is 1 more than 549.

(b) _____ is 10 less than 780.

(c) _____ is 10 more than 490.

(d) 345 is _____ more than 245.

7. Fill in the missing numbers in the number patterns. [2]

(a) 32, 34, 36, 38, 40, _____, _____

(b) 87, 84, 81, _____, _____, 72, 69

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

(a) 450 ◯ 499

(b) 178 ◯ 187

(c) 814 ◯ 481

(d) 670 ◯ 600 + 70

9. Which group shows the numbers in order from greatest to least? [1]

Ⓐ 708, 780, 807, 870   Ⓑ 780, 870, 708, 807

Ⓒ 807, 870, 708, 780   Ⓓ 870, 807, 780, 708

10. Write the missing numbers. [4]

435 [ ] [ ] [ ] [ ] 445
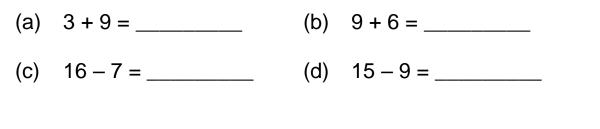
11. Draw arrows to show the positions of the numbers on the number lines. [2]

(a) 578

570   575   580

(b) 837

840   845

12. Add or subtract mentally. [4]

   (a)   3 + 9 = _____   (b)   9 + 6 = _____

   (c)   16 – 7 = _____   (d)   15 – 9 = _____

13. Add. Show your work. [4]

   (a) 365 + 24 = _____   (b) 217 + 712 = _____

14. Subtract. Show your work. [4]

   (a) 538 – 26 = _____   (b) 485 – 281 = _____

15. Round 467 to the nearest ten.

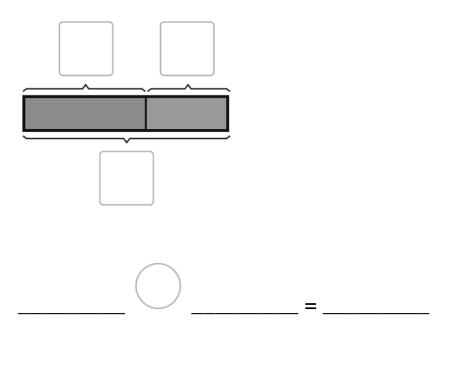   Which is the correct answer? [1]

   (A) 460   (B) 470
   (C) 400   (D) 500

16. Which number gives 900 when rounded to the

    nearest hundred? [1]

    (A) 839   (B) 845

    (C) 918   (D) 962

17. Aubrey has 67 game cards.

    Her brother gives her another 45 game cards.
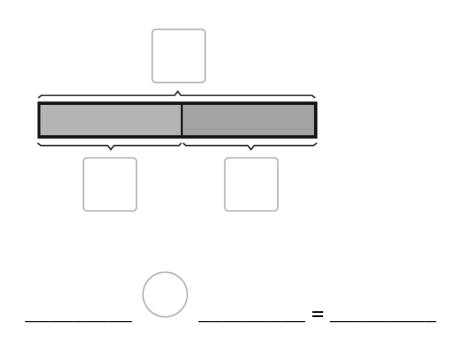
    How many game cards does Aubrey have in all? [3]

    _____ ◯ _____ = _____

    Aubrey has _____ game cards in all.

18. Farmer Luke has 306 eggs.

He sells 158 eggs.

How many eggs does Farmer Luke have left? [3]

```
        ┌─────┐
        │     │
  ┌─────────┴─────────┐
  │          │          │
  └────┬─────┴────┬─────┘
    ┌──┴──┐   ┌──┴──┐
    │     │   │     │
    └─────┘   └─────┘
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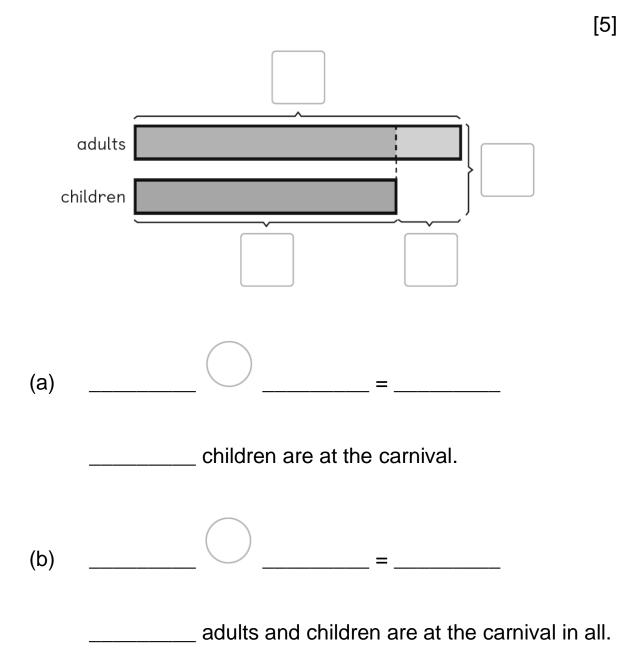
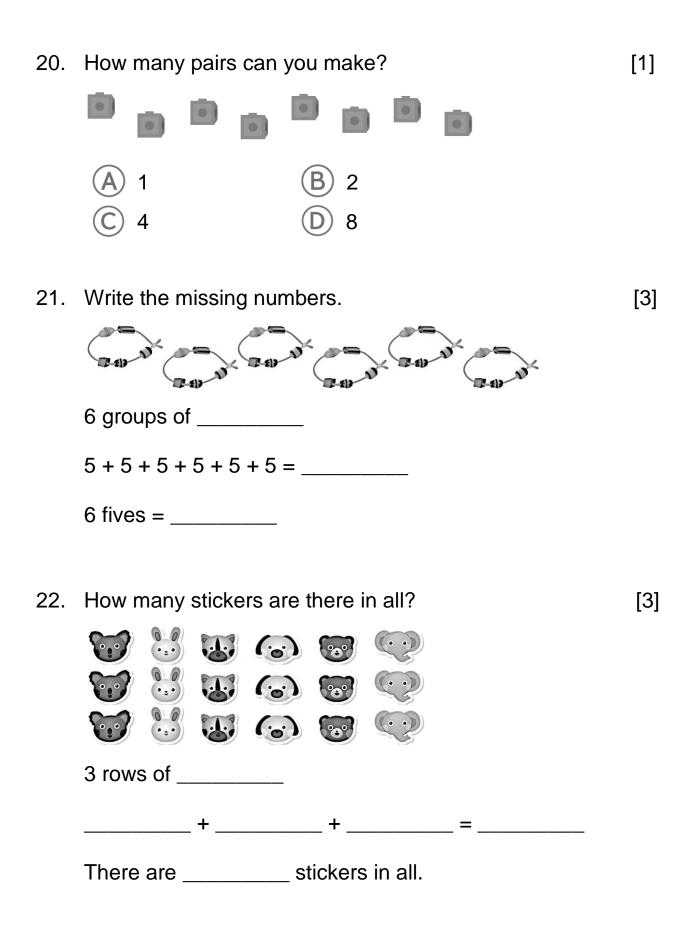_____ ◯ _____ = _____

Farmer Luke has _____ eggs left.
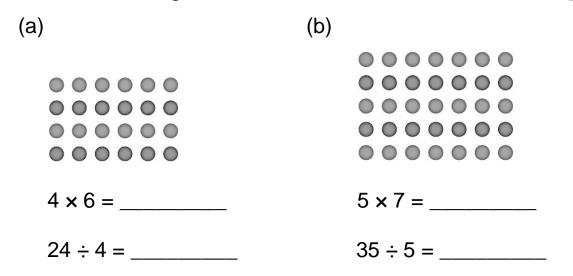
19. There are 91 adults at a carnival.

    There are 18 fewer children than adults.

    (a) How many children are at the carnival?

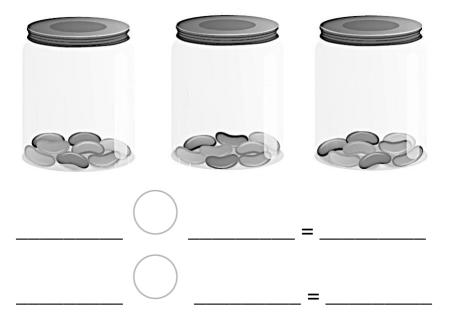   (b) How many adults and children are at the carnival in all?

    [5]

(a) _____ ◯ _____ = _____

    _____ children are at the carnival.

(b) _____ ◯ _____ = _____

    _____ adults and children are at the carnival in all.

20. How many pairs can you make? [1]

(A) 1

(B) 2

(C) 4

(D) 8

21. Write the missing numbers. [3]

6 groups of _____

5 + 5 + 5 + 5 + 5 + 5 = _____

6 fives = _____

22. How many stickers are there in all? [3]

3 rows of _____

_____ + _____ + _____ = _____

There are _____ stickers in all.

23. Write the missing numbers. [4]

(a)

4 × 6 = _____

24 ÷ 4 = _____

(b)

5 × 7 = _____

35 ÷ 5 = _____
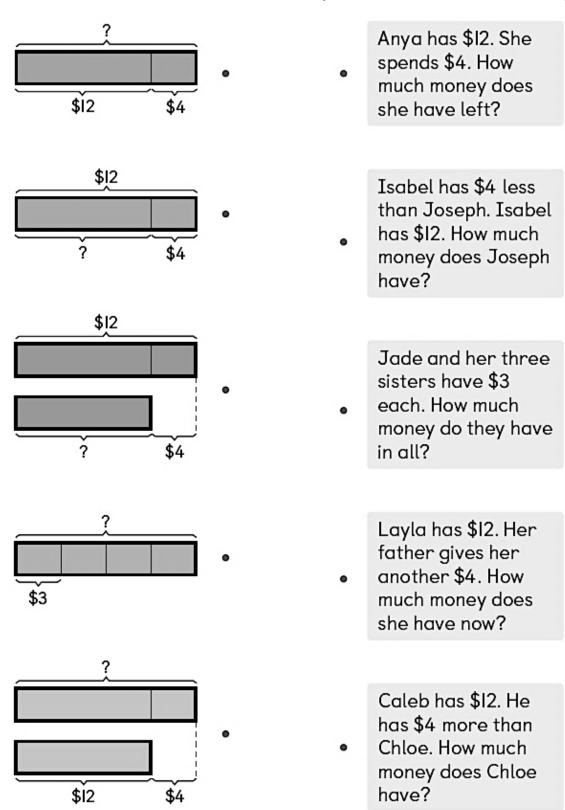
24. Write a multiplication equation and a division equation. [2]

_____ ◯ _____ = _____

_____ ◯ _____ = _____
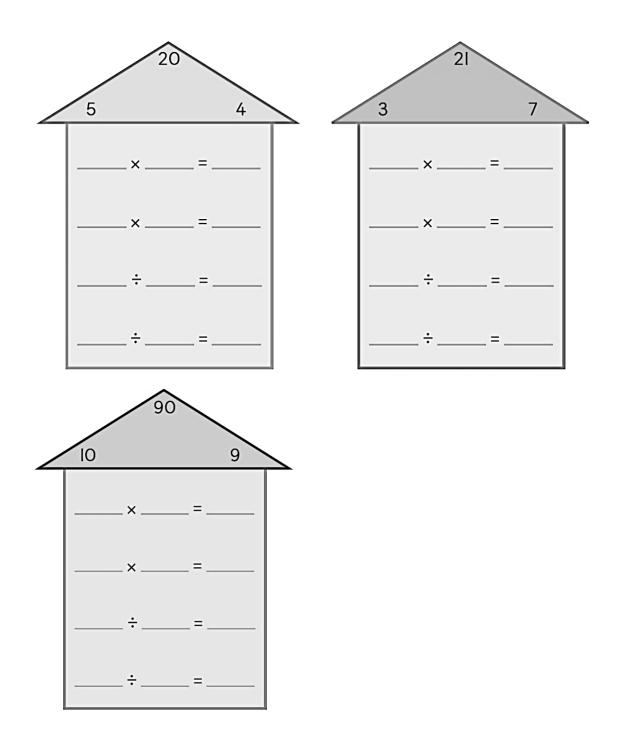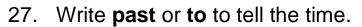
25. Match each bar model to a word problem. [5]

Anya has $12. She spends $4. How much money does she have left?

Isabel has $4 less than Joseph. Isabel has $12. How much money does Joseph have?

Jade and her three sisters have $3 each. How much money do they have in all?

Layla has $12. Her father gives her another $4. How much money does she have now?

Caleb has $12. He has $4 more than Chloe. How much money does Chloe have?
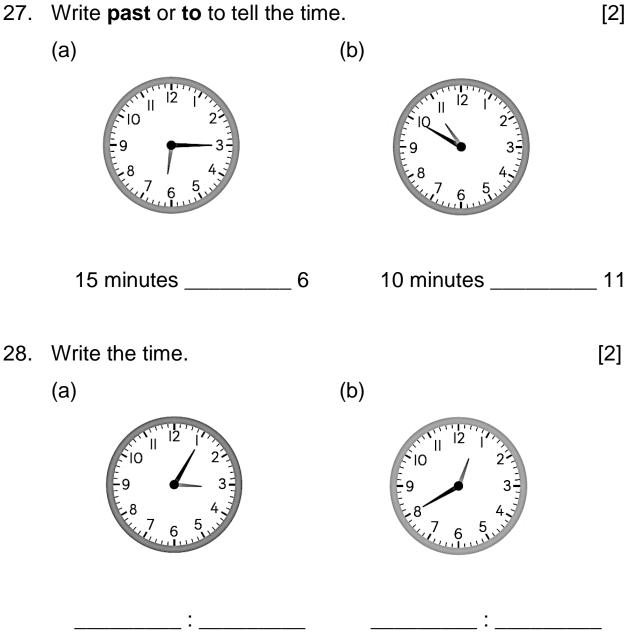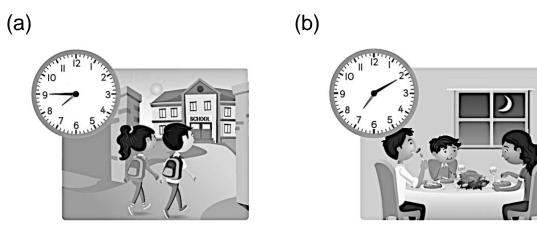
26. Write the related multiplication and division equations using the numbers given. [3]

20
5   4

____ × ____ = ____

____ × ____ = ____

____ ÷ ____ = ____

____ ÷ ____ = ____

21
3   7

____ × ____ = ____

____ × ____ = ____

____ ÷ ____ = ____

____ ÷ ____ = ____

90
10   9

____ × ____ = ____

____ × ____ = ____

____ ÷ ____ = ____

____ ÷ ____ = ____

27. Write **past** or **to** to tell the time. [2]

(a)

    15 minutes _____ 6

(b)

    10 minutes _____ 11

28. Write the time. [2]

(a)

_____ : _____

(b)

_____ : _____
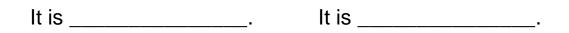
29. Write the time using **a.m.** or **p.m.** [2]

(a)

It is _____.

(b)

It is _____.

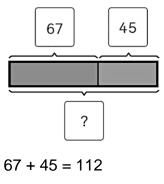**Answer Key**

1.   326

2.   (a)   417   (b)   905

3.   (a)   eight hundred forty-five

      (b)   seven hundred twenty

4.   (a)   485   (b)   8

5.   (a)   100, 80, 7

      (b)   900, 40, 0

6.   (a)   550   (b)   770

      (c)   500   (d)   100

7.   (a)   42, 44

      (b)   78, 75

8.   (a)   <   (b)   <

      (c)   >   (d)   =

9.   D

10.   436, 438, 440, 442

11.   (a)

      (b)

12.   (a)   12   (b)   15

      (c)   9   (d)   6
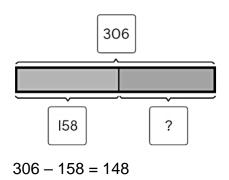
13. (a) 389

```
    3 6 5
  +   2 4
    3 8 9
```

(b) 929

```
    2 1 7
  + 7 1 2
    9 2 9
```

14. (a) 512

```
    5 3 8
  -   2 6
    5 1 2
```

(b) 204

```
    4 8 5
  - 2 8 1
    2 0 4
```

15. B

16. C

17.

67 + 45 = 112

112

18.

306 – 158 = 148

148

19.
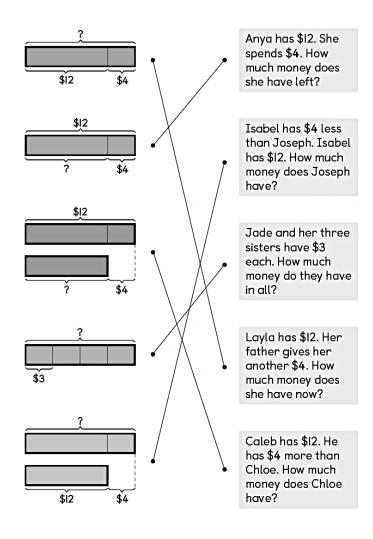
(a)   91 – 18 = 73

73

(b)   91 + 73 = 164

164

20.   C
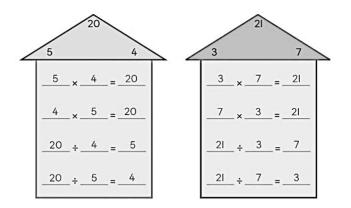
21.   5, 30, 30
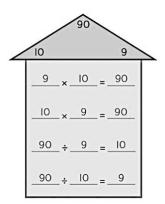
22.   6, 6, 6, 6, 18, 18

23.   (a)   24, 6   (b)   35, 7

24.   3 x 8 = 24

24 ÷ 8 = 3

25.

Anya has $12. She spends $4. How much money does she have left?

Isabel has $4 less than Joseph. Isabel has $12. How much money does Joseph have?

Jade and her three sisters have $3 each. How much money do they have in all?

Layla has $12. Her father gives her another $4. How much money does she have now?

Caleb has $12. He has $4 more than Chloe. How much money does Chloe have?

26.

Triangle 1: top 20, left 5, right 4
$5 \times 4 = 20$
$4 \times 5 = 20$
$20 \div 4 = 5$
$20 \div 5 = 4$

Triangle 2: top 21, left 3, right 7
$3 \times 7 = 21$
$7 \times 3 = 21$
$21 \div 3 = 7$
$21 \div 7 = 3$

Triangle 3: top 90, left 10, right 9
$9 \times 10 = 90$
$10 \times 9 = 90$
$90 \div 9 = 10$
$90 \div 10 = 9$

27. (a) past (b) to

28. (a) 3:05 (b) 12:40

29. (a) 7:45 a.m.

    (b) 7:10 p.m.