

This test covers material students should know before starting Primary Mathematics SIE 5A.

1 In 57 402,

(a) The digit is in the place and its value is 7000.

(b) The digit 5 is in the place and its value is .

(c) Write the number in words.

2 Write in numerals.

(a) Fourteen thousand, one hundred and thirty.

(b) Sixty-eight thousand, four hundred and eight.

(c) Ninety thousand and twelve.

3 Arrange the numbers 71 880, 72 810, and 71 089 in increasing order.

, ,

4 Write the missing numbers.

(a) = 30 000 + 5000 + 200 + 50 + 2

(b) 20,002 = + 20,000

(c) = 500 + 6 + 20 000

5 Fill in the missing numbers.

(a) 12 458, 12 448, , 12 428, 12 418,

(b) , 58 148, 60 148, , 64 148

6 Multiply.

(a) $84 \times 727 =$

(b) $679 \times 83 =$

7 Divide.

(a) $6345 \div 9$

The quotient is

The remainder is

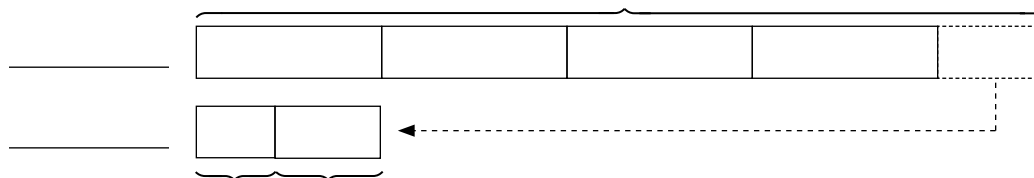
(b) $8255 \div 7$

The quotient is

The remainder is

8 Sari had 1385 coins.

After giving 225 coins to Jenna, she had 4 times as many coins as Jenna.
How many coins did Jenna have at first?



Jenna had coins at first.

- 9** The sum of two numbers is 1652.
One number is 6 times as much as the other number.
What is the difference between the two numbers?

- 10** At a local food bank, each container has 175 kg of potatoes.
There were 22 full containers and 1 container that had 87 kg of potatoes.
7 full containers were donated to a local shelter.
How many kilograms of potatoes are left?

- 11** Siti and David have 1370 stickers altogether.
Siti has 4 times as many stickers as David.
How many stickers should she give to David so they both have the same number of stickers?

- 12** Express each mixed number as an improper fraction.

(a) $6\frac{3}{9}$

(b) $4\frac{2}{7}$

- 13** Express each improper fraction as a mixed number in its simplest form.

(a) $\frac{21}{9}$

(b) $\frac{36}{24}$

- 14** Add. Express each answer as a proper fraction or mixed number in its simplest form.

(a) $\frac{2}{3} + \frac{1}{5} =$

(b) $\frac{4}{7} + \frac{2}{3} =$

(c) $\frac{5}{6} + \frac{5}{9} =$

(d) $\frac{7}{12} + \frac{5}{8} =$

- 15** Subtract. Express each answer as a proper fraction or mixed number in its simplest form.

(a) $\frac{3}{5} - \frac{1}{2} =$

(b) $\frac{7}{12} - \frac{2}{9} =$

(c) $4 - \frac{5}{9} =$

(d) $\frac{3}{4} - \frac{3}{6} =$

16 Find the values.

(a) $\frac{4}{5}$ of 40

(b) $\frac{5}{9}$ of 18

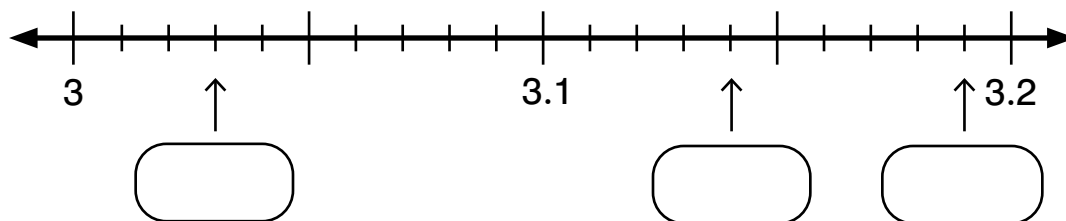
(c) $\frac{3}{4}$ of 28

(d) $\frac{5}{6}$ of 36

17 The difference between two fractions is $\frac{1}{8}$.
The smaller fraction is $\frac{2}{3}$.
What is the sum of the two fractions?

18 There are 120 marbles in a jar.
 $\frac{1}{6}$ of the marbles are red and the rest of them are blue.
How many blue marbles are there?

- 19** Write the decimals indicated by the arrows.



- 20** In 7.462,

(a) The digit is in the place and its value is 0.002.

(b) The digit 6 is in the place and its value is .

(c) The digit is in the tenths place and its value is .

(d) Write the decimal as a mixed number.

(e) Write the number in words.

- 21** Arrange the numbers 8.761, 8.167, and 8.76 in increasing order,

, ,

22 (a) Round 16.2 km to the nearest kilometre.

(b) Round 15.85 km to the nearest 1 decimal place.

(c) Round 7.986 to the nearest hundredth.

(d) Round 5.45 ℓ to the nearest litre.

23 Express each decimal as a fraction or mixed number in its simplest form.

(a) 0.8

(b) 3.75

(c) 0.05

(d) 70.14

24 Express each fraction or mixed number as a decimal.

(a) $\frac{58}{100}$

(b) $\frac{5}{2}$

(c) $17\frac{1}{4}$

(d) $3\frac{1}{20}$

25 Add or subtract.

(a) $38.98 + 7.64 =$

(b) $5.4 + 5.66 =$

(c) $7.5 - 5.75 =$

(d) $10 - 2.86 =$

26 Multiply.

(a) $0.03 \times 8 =$

(b) $25.8 \times 4 =$

(c) $60.04 \times 3 =$

(d) $6 \times 87.31 =$

27 Divide.

(a) $3.72 \div 6 =$

(b) $26 \div 5 =$

28 Divide. Give the answer correct to two decimal places.

(a) $41.3 \div 9 =$

(b) $15 \div 8 =$

29 The area of a rectangle is 51.6 cm^2 . The width of the rectangle is 6 cm. What is the perimeter of the rectangle?

- 30** A tennis racket costs twice as much as a baseball bat.
The baseball bat costs \$3.75 more than a ping pong paddle.
The total cost of 1 tennis racket, 1 baseball bat, and 2 ping pong paddles is \$191.25.
How much does one ping pong paddle cost?

Answer Key

- 1** (a) 7 thousands
(b) ten thousands 50 000
(c) fifty-seven thousand, four hundred and two

- 2** (a) 14 130
(b) 68 408
(c) 90 012

- 3** 71 089, 71 880, 72 810

- 4** (a) 35 252
(b) 2
(c) 20 506

- 5** (a) 12 438 12 408
(b) 56 148 62 148

- 6** (a) 61 068
(b) 56 357

- 7** (a) 705, 0
(b) 1179, 2

- 8**
- | | | | | |
|-------|------|-----|--|--|
| Sari | 1385 | | | |
| Jenna | ? | 225 | | |

65

- 9** 1180

- 10** 2712 kg

- 11** 411 stickers

- 12** (a) $\frac{57}{9}$ (b) $\frac{30}{7}$

- 13** (a) $2\frac{1}{3}$ (b) $1\frac{1}{2}$

- 14** (a) $\frac{13}{15}$ (b) $1\frac{5}{21}$
(c) $1\frac{7}{18}$ (d) $1\frac{5}{24}$

- 15** (a) $\frac{1}{10}$ (b) $\frac{13}{36}$
(c) $3\frac{4}{9}$ (d) $\frac{1}{4}$

- 16** (a) 32 (b) 10
(c) 21 (d) 30

- 17** $1\frac{11}{24}$

- 18** 100 blue marbles

- 19**
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Answer Key

- 20** (a) 2 thousandths
 (b) hundredths 0.06
 (c) 4 0.4
 (d) $7\frac{462}{1000}$
 (e) seven point four six two

- 21** 8.167, 8.76, 8.761

- 22** (a) 16
 (b) 15.9
 (c) 7.99
 (d) 5

- 23** (a) $\frac{4}{5}$ (b) $3\frac{3}{4}$
 (c) $\frac{1}{20}$ (d) $70\frac{7}{50}$

- 24** (a) 0.58 (b) 2.5
 (c) 17.25 (d) 3.05

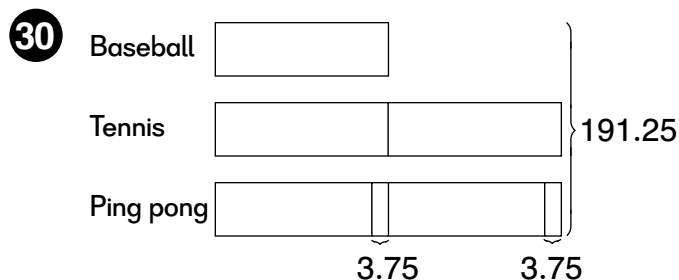
- 25** (a) 46.62 (b) 11.06
 (c) 1.75 (d) 7.14

- 26** (a) 0.24 (b) 103.2
 (c) 180.12 (d) 523.86

- 27** (a) 0.62 (b) 5.2

- 28** (a) 4.59 (b) 1.88

- 29** 29.2 cm



$$5 \text{ units} = 191.25 + 3.75 + 3.75$$

$$= 198.75$$

$$1 \text{ unit} = 198.75 \div 5$$

$$= 39.75$$

$$39.75 - 3.75 = 36$$

One ping pong paddle costs \$36.