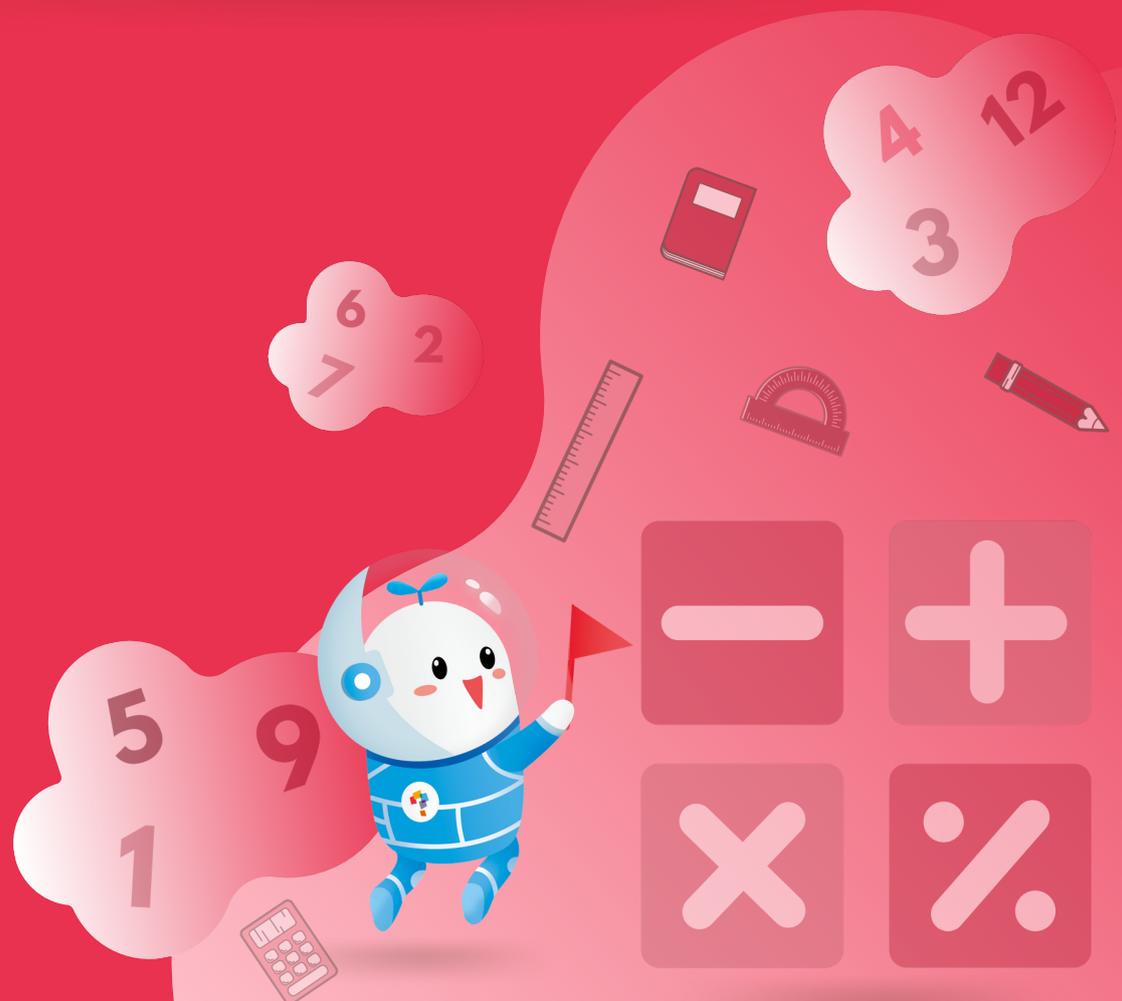


# Year 3 Maths Activities

# Think Academy Home Learning Study Pack

## Practice Questions and Answers





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## Worksheet 1: Sequences

1. 2, 4, 6,  $\_$ , 10

---

2.  $\_$ , 15, 25, 35

---

3. 70, 140,  $\_$ , 280, 350

---

4. 100, 85, 70,  $\_$ , 40, 25

---

5. 6, 2, -2,  $\_$ , -10

*Mark only one oval.*

-4

-6

-8

0

6. 2, 4, 8, 16, \_

---

7. \_, 100, 1000, 10000

---

8. 80, 40, 20, \_, 5

---

9. 2, 4, 7, 11, 16, \_

*Mark only one oval.*

19

20

21

22

10. 5, 8, 10, 11, 20, 14, 40, \_

*Mark only one oval.*

80

17

60

19

## Worksheet 2: Multiplication

1.  $9 \times 8$

---

2.  $11 \times 7$

---

3.  $6 \times 5$

---

4.  $100 \times 11$

---

5. If I have 3 lots of 5 keys, how many keys do I have in total?

---

6. Sam has 7 packs of biscuits. Each pack has 12 biscuits. How many biscuits does Sam have in total?

*Mark only one oval.*

- 84
- 19
- 72
- 110

7. There are 500 students in 5 schools. How many students are there in total?

*Mark only one oval.*

- 1000
- 2500
- 25000
- 5000

8. Six farms grow eight pumpkins each per year. How many pumpkins are grown in all six farms every year?

*Mark only one oval.*

- 48
- 40
- 56
- 64

9.  $2 \times 3 \times 4$

Mark only one oval.

10

14

22

24

10.  $6 \times 6 \times 3$

Mark only one oval.

96

108

39

15

## Worksheet 3: Perimeter

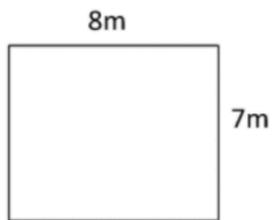


Perimeter = \_\_\_\_\_ cm

1. What is the total perimeter of the above shape?

*Mark only one oval.*

- 24cm
- 18cm
- 27cm
- 9cm



2. What is the total perimeter of the above shape?

*Mark only one oval.*

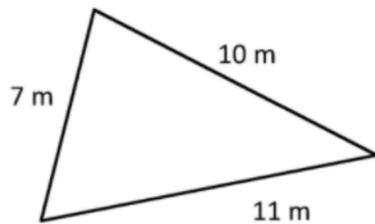
- 16m  
 56m  
 30m  
 23m



3. What is the total perimeter of the above shape?

*Mark only one oval.*

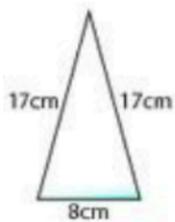
- 10cm  
 12cm  
 14cm  
 16cm



4. What is the total perimeter of the above shape?

Mark only one oval.

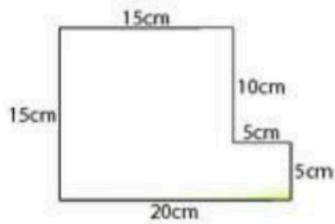
- 24m  
 33m  
 28m  
 30m



5. What is the total perimeter of the above shape?

Mark only one oval.

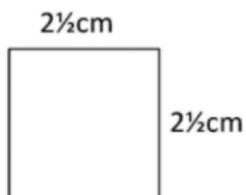
- 38cm  
 25cm  
 42cm  
 40cm



6. What is the total perimeter of the above shape?

*Mark only one oval.*

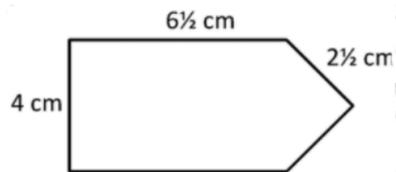
- 35cm
- 60cm
- 55cm
- 70cm



7. What is the total perimeter of the above shape?

*Mark only one oval.*

- 10cm
- 5cm
- 15cm
- 25cm



8. What is the total perimeter of the above shape?

Mark only one oval.

- 20cm  
 13cm  
 22cm  
 17cm

## Worksheet 4: Missing numbers

1.  $6 \times \_ = 42$

---

2.  $15 \div \_ = 3$

---

3.  $110 + \_ = 180$

---

4.  $95 - \_ = 70$

---

5.  $\_ \times 4 = 16$

---

6.  $\_ \div 2 = 6$

---

7.  $\_ + 46 = 54$

---

8.  $\_ - 12 = 18$

---

9. James thinks of a number. He doubles it and then adds six. His answer is twenty. What was his original number?

*Mark only one oval.*

- 5  
 6  
 7  
 8

10. Lucy thinks of another number. She divides it by three, then multiplies it by two. Her answer is 24. What was her original number?

*Mark only one oval.*

- 36  
 12  
 6  
 24

## Worksheet 5: Word problems

1. I have 5 packs of biscuits. Each pack contains 6 biscuits. How many biscuits do I have in total?

12  
 11  
 25  
 30

2. A plumber can fix 6 leaks in 2 days. How many leaks can the plumber fix in 4 days?

8  
 10  
 12  
 14

3. Sarah can run 2 kilometres in 10 minutes. At this rate, how long does it take her to run 10 kilometres?

20 minutes  
 30 minutes  
 40 minutes  
 50 minutes

4. A car is driving at 30 kilometres per hour. At this speed, how far will it cover over 3 hours?

33km  
 39km  
 90km  
 120km

5. Peter can read 60 words per minute. How long does it take him to read 300 words?

- 2 minutes
- 5 minutes
- 6 minutes
- 8 minutes

6. Mr Smith needs to mark the homework of 20 students. It takes him 10 minutes to mark 5 students' homework. How long in total does it take him to mark all students' work?

- 20 minutes
- 30 minutes
- 40 minutes
- 50 minutes

7. It takes the chef half an hour to cook 2 meals. How long does it take the chef to cook 10 meals?

- 2 hours
- 2.5 hours
- 3.5 hours
- 4 hours

8. Rachel can shuffle one pack of cards in 12 seconds. How long does it take her to shuffle 5 packs of cards?

- 60 seconds
- 48 seconds
- 100 seconds
- 50 seconds

9. The musician has already written 12 songs in 3 days. She needs to write 36 songs in total. How many more days will she need?

2

3

4

6

10. The chocolate factory can produce 250 chocolate bars per month. How many months does it take to produce 1250 chocolate bars?

6

4

10

5

## Worksheet 6: Mean Average

1. In a gymnastics competition, judges score the athlete 6, 7, 4, 3. What is the athlete's average score?

*Mark only one oval.*

- 3
- 4
- 5
- 6

2. For his birthday, Adam received 3 presents from his mum, 7 presents from his dad, and 5 presents from his sister. What is the average amount of presents that Adam received?

*Mark only one oval.*

- 3
- 5
- 7
- 9

3. The teacher gave out 40 sweets to her students. Each student received an average of 5 sweets. How many students are there?

*Mark only one oval.*

10

12

8

6

4. The temperature in degrees in Manchester over the course of 5 days was: 22, 20, 19, 22, 22. What was the average temperature?

*Mark only one oval.*

20 degrees

21 degrees

22 degrees

19 degrees

5. 12 children are sharing 36 cookies between them. However, three children do not want any cookies. How many cookies do the rest of the children get on average?

*Mark only one oval.*

3 cookies

4 cookies

2 cookies

6 cookies

6. 4 dogs have the following weights: 22kg, 25kg, 30kg, 27kg. What is their average weight?

*Mark only one oval.*

- 24kg  
 25kg  
 26kg  
 28kg

7. For the first five days of the week, I ate 8 apples each day. On the sixth day, I only ate 2 apples. How many apples did I eat on average over all 6 days?

*Mark only one oval.*

- 8  
 7  
 6  
 5

8. Find the mean for the following sets of numbers: 1, 1, 3, 7, 5, 4, 6, 8, 2, 3.

*Mark only one oval.*

- 2  
 3  
 4  
 5

9. Find the average of these 5 numbers: 17, 9, 15, 30, 29

*Mark only one oval.*

- 10
- 15
- 17
- 20

10. A bed factory produces 12 beds per day for 4 days, then 7 beds per day for 6 days.  
How many beds are made on average over all the days?

*Mark only one oval.*

- 8
- 9
- 10
- 12

## Worksheet 7: Multiplication

1.  $136 \times 2$

Mark only one oval.

272

262

312

266

2.  $205 \times 4$

Mark only one oval.

210

810

820

1000

3.  $524 \times 2$

Mark only one oval.

1248

828

1480

1048

4.  $123 \times 3$

Mark only one oval.

339

369

399

326

5.  $501 \times 5$

Mark only one oval.

2505

2500

2005

2050

6.  $111 \times 4$

Mark only one oval.

440

454

401

444

7.  $242 \times 4$

Mark only one oval.

826

968

1098

924

8.  $860 \times 2$

Mark only one oval.

1520

1680

1720

1840

9.  $2 \times 2.5$

Mark only one oval.

3

3.5

4.5

5

10.  $10 \times 1.5$

Mark only one oval.

11.5

15

25

17.5

## Worksheet 8: Division

1.  $15 \div 5$

Mark only one oval.

5

3

2

4

2.  $48 \div 6$

Mark only one oval.

6

12

8

9

3.  $27 \div 3$

Mark only one oval.

11

9

8

7

4.  $99 \div 9$

Mark only one oval.

9

11

10

0

5.  $54 \div 3$

Mark only one oval.

16

28

18

14

9.  $120 \div 20$

Mark only one oval.

- 6  
 60  
 3  
 30

10.  $210 \div 7$

Mark only one oval.

- 60  
 55  
 3  
 30

6.  $42 \div 7$

Mark only one oval.

- 7  
 5  
 6  
 8

7.  $81 \div 9$

Mark only one oval.

- 8  
 11  
 7  
 9

8.  $32 \div 4$

Mark only one oval.

- 6  
 12  
 8  
 9

## Worksheet 9: Word Problems

1. A family drive 238 miles on the way to their holiday destination when they stop for a break. After their break, they continue driving and arrive at their destination after travelling 521 miles in total. How many miles did they drive after their break?

*Mark only one oval.*

- 238
- 283
- 312
- 276

2. Cinema tickets cost £9 each. A family of four wants to see the latest film and buy some popcorn. Popcorn costs £4. If they have £50, all want to see the film and buy as much popcorn as they can, how much money will they have left?

*Mark only one oval.*

- £12
- £4
- £8
- £2

3. The farmer has 4 cows in a field. Each cow eats 6kg of feed per day. How much feed does the farmer need to have in order to feed all of his cows for the next 7 days?

*Mark only one oval.*

- 148kg  
 42kg  
 24kg  
 168kg

4. Russell had £10.67. He then spent £1.80 on sweets at the shop. After he got home, Russell helped out with the washing up, so his mum gave him 60p. How much money does Russell have now?

*Mark only one oval.*

- £8.47  
 £9.47  
 £10.07  
 £9.27

5. One portion of pasta is 60g. George wants to invite as many friends as possible for dinner, but wants everybody to have a full portion of pasta. He has 1kg of pasta. What is the maximum amount of people that George can invite round?

*Mark only one oval.*

- 10  
 12  
 16  
 13

## Answers:

### Worksheet 1

1.8

2.5

3.210

4.65

5.-6

6.32

7.10

8.10

9.22

10.17

### Worksheet 2

1.72

2.77

3.30

4.1100

5.15

6.84

**7.2500**

**8.48**

**9.24**

**10.108**

## **Worksheet 3**

**1.100**

**2.2**

**3.5**

**4.3**

**5.5**

**6.4**

**7.4**

**8.5**

**9.20**

**10.2**

## **Worksheet 4**

**1.24cm**

**2.30m**

**3.16cm**

**4.28m**

**5.42cm**

**6.70cm**

**7.10cm**

**8.22cm**

## **Worksheet 5**

**1.7**

**2.5**

**3.70**

**4.25**

**5.4**

**6.12**

**7.8**

**8.30**

**9.7**

**10.36**

## **Worksheet 6**

**1.30**

**2.12**

**3.50**

**4.90**

**5.5**

**6.40**

**7.2.5**

**8.60**

**9.6**

**10.5**

## **Worksheet 7**

**1.5**

**2.5**

**3.8**

**4.21**

**5.4**

**6.26**

**7.7**

**8.4**

9.20

10.9

## Worksheet 8

1.272

2.820

3.1048

4.369

5.2505

6.444

7.968

8.1720

9.5

10.15

## Worksheet 9

1.283

2.£2

3.168kg

**4.£9.47**

**5.16**