

Master Your 11+ Maths the Fun Way!

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TestLife 11+



Mixed Maths Worksheets

Pack-1

“Solve, learn, and have fun!”

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TestLife 11+ Mixed Maths Test 1

1. $(6 \times 10^3) + 9 =$ _____.

2. $\frac{5}{6} + \frac{1}{12} + 1 =$ _____.

3. $120 - (7 \times 8) =$ _____.

4. $0.094 \text{ l} =$ _____ ml

5. $(4.86 \times 5) =$ _____.

6. $\text{£}34 \div 100 =$ _____ p

7. $720 \text{ g} + 0.4 \text{ kg} =$ _____ kg

8. $\frac{1}{25} \times 100 =$ _____ %

9. $3 \text{ h } 12 \text{ min} + 1 \text{ h } 48 \text{ min} =$ _____ h _____ min

10. 80% of $25 \text{ kg} =$ _____ kilos _____ grams

11. $6 \div 600 =$ _____

12. (a) $24\text{p} =$ _____ % of $\text{£}1$

(b) $30 \text{ cm} =$ _____ % of 1 m

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TestLife 11+ Mixed Maths Test 2

1. Write $20 \times 50 \times 100$

(a) in figures _____ (b) in words _____

2. $£6.80 \times 15 = £$ _____

3. $1 = \frac{1}{3} + \frac{1}{6} +$ _____

4. $12 - 7.45 =$ _____

5. $450 \text{ min} =$ _____ h _____ min

6. $\frac{1}{4}$ of $£5.60 = £$ _____

7. $0.325 \text{ l} =$ _____ ml

8. 30% of $£9.00 = £$ _____

9. $1.8 \text{ m} + 65 \text{ cm} =$ _____ cm

10. (a) 2% of $£1 =$ _____ p

(b) 15% of $£1 =$ _____ p

11. $5200 \text{ mm} =$ _____ m

12. $(4 \text{ kg } 800 \text{ g}) \div 8 =$ _____ g



TestLife 11+ Mixed Maths Test 3

1. $50,000 + 2000 + 90 + 6 =$ _____

2. $6 \times 9 \times 4 =$ _____

3. $7 \text{ l } 750 \text{ ml} - 1 \frac{1}{2} \text{ l} =$ _____ l _____ ml

4. $\frac{3}{4}$ of £56 = £ _____

5. (a) $4 \frac{3}{5} =$ _____ / 5 (b) $5 \frac{2}{5} =$ _____ / 5

6. £8.45 + _____ FIVES = £10 (**Note:** FIVES : 5ps)

7. 4820 m = _____ km _____ m

8. $180^\circ - (72^\circ + 68^\circ) =$ _____ $^\circ$

9. (a) $12 / 25 =$ _____ % (b) $0.48 =$ _____ %

10. Round 7.036 to two decimal places = _____

11. $5^3 - 5^2 =$ _____

12. £5.60 \div 8 = _____ p remaining _____ p





TestLife 11+ Mixed Maths Test 4

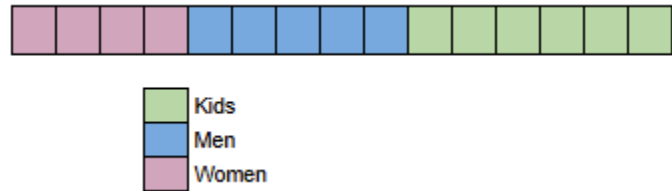
1. Write in words the number which is 600 less than 70000 _____
2. Find in £s the total of 22p, 19p, 35p and 14p. £ _____
3. Change these improper fractions to mixed numbers.
 - (a) $29/4 =$ _____
 - (b) $45/7 =$ _____
4. Find the difference between 4 FIFTIES and the sum of 10 FIVES & 5 TWOS. _____
5. How many 20 g portions are there in 3 kg? _____
6. Find the change from a £10 note after spending £6.78. £ _____
7. 3, 4, 6, 8, 9
Which of these numbers are factors of 72? _____
8. What percentage of 3 litres is 450 ml? _____ %
9. Round
 - (a) 46.72 to the nearest whole one. _____
 - (b) 257 980 to the nearest 1000. _____
10. What fraction in its lowest terms is equal to
 - (a) 80 % _____
 - (b) 0.125 _____
11. Fruits cost £1.20 per kg in the shop. Find the cost of 600g _____ p
12. Find the area of a square of 25cm side. _____



TestLife 11+ Mixed Maths Test 5

1. How many thousandths must be added to 8.956 to make 10? _____
2. Jack buys 3 kg of oranges at 42p per kg. What change will he get from £2.00?. _____ p
3. Liah faces NE and turns anticlockwise through $\frac{1}{2}$ of a right angle.
In which direction is she now facing? _____
4. A car travels 54 km in 45 min.
How many km will it travel at this speed in 1 hour? _____ km
5. A metal nut weighs 200 g.
How many nuts weigh 4 kg? _____

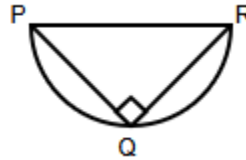
6. The image shows concert attendance



- There were 450 MEN
 - There were 360 WOMEN
 - Find what fraction of total attendees were:
(a) men _____
(b) women _____
(c) How many kids were there in total? _____
7. Tom spends 25% of his money on a toy and puts 50% of the remaining money into savings. He has £30 left to spend. How much money did he have at first? £ _____

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8. (a) Find angle QPR. _____
(b) Find angle PRQ. _____

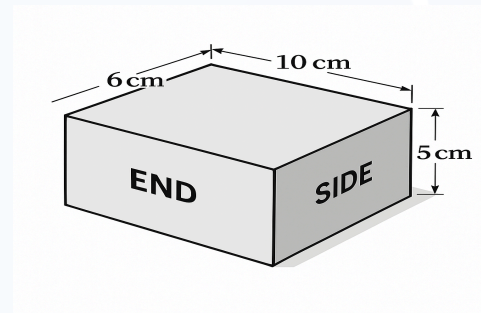
9. A bus departs at 18:35 and arrives 1 h 25 min later.
Write the time of arrival. _____

10. The area of a rectangular field is 96 m^2 .
If its length is 12 m, find its width. _____ m

11. A map is drawn to a scale of 1 mm to 150 m.
Find the actual distance in km represented by a line 3.2 cm long. _____ km

12. A 3D rectangular box with dimensions:

- Length = 10 cm
- Width = 6 cm
- Height = 5 cm



Sides are labeled END and SIDE.

Find the area of

- (a) one of the sides _____
(b) one of the ends _____
(c) top/bottom surface _____





TestLife 11+ Mixed Maths Test 6

- Multiply the sum of 4.5 and 3.2 by 0.6. _____.
- Name the date which is 90 days after 1st September: _____.
- Angles given: 52° , 101° , 143° , 88°
Which of these angles are:
(a) acute angles? _____
(b) obtuse angles? _____
- Three packets have a mass of 520 g, 760 g, and 310 g.
Find their total mass in kg. _____ kg
- By how many mm is 900 mm greater than 0.65 m? _____ mm
- How many 20p coins have the same value as £7.40?
- Write in km/h a speed of 24 km in 15 min. _____ km/h
- How many times bigger is 800 than 0.8? _____ times
- Write as a percentage:
(a) 22p of £1.00 _____ %
(b) 450 g of 1 kg _____ %
- A sheet covering 480m^2 cost £36. Find the cost per m^2 . £ _____
- (a) Round $12\frac{2}{3}$ to the nearest whole number: _____
(b) Round £18.46 to the nearest £ _____
- The area of a rectangle is 39m^2 . Its width is 3 m. Find its length.
_____ m



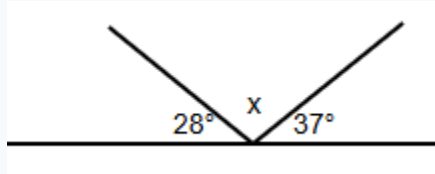
TestLife 11+ Mixed Maths Test 7

1. How many pennies less is the value of 14 tens than the total of 3 fifties and 7 fives?
_____ p (Note: tens: 10p coins, fifties: 50p coins, fives: 5p coins)

2. Out of 360 children in a school 40% were boys.
How many girls were there in the school? _____

3. Find the angle marked x.

_____ °



4. A can holds 6 l when full.
Find the quantity of water in l and ml when the can is $\frac{2}{5}$ full.
_____ L _____ ml

5. Fractions: $\frac{4}{9}$, $\frac{5}{12}$, $\frac{2}{7}$
Which of these fractions is
(a) the largest? _____
(b) the smallest? _____

6. The attendance at a football match was 7,986.
(a) Approximate this number to the nearest thousand. _____
(b) Find the difference between the actual and approximate numbers. _____

7. Sam's home is 920 m from school.
How far in km does he walk in a week of 5 days, making one return journey each day?
_____ km



8. A box containing 80 envelopes costs £4.40.

Find the cost of 20 envelopes.

_____ p

9. Find the age in years and months of both children on 1st January 2020.

DATES OF BIRTH:

Sara — 1st July 2009

Leo — 1st April 2006

Sara = _____ years _____ months

Leo = _____ years _____ months

10. The price of milk has increased by 6%.

If £5.00 each week was paid to the milkman, how much is the new weekly price?

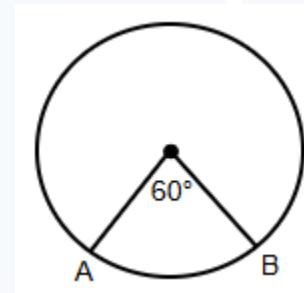
_____ p

11. A circle has centre O, with chord AB.

Angle AOB = 60° .

(a) What fraction of the circumference is arc AB? _____

(b) If the circumference measures 60 cm, find the length of arc AB. _____ cm



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TestLife 11+ Mixed Maths Test 8

1. Write in decimal $100 + \frac{1}{8} + \frac{1}{1000}$ _____

2. $5\frac{1}{4} \times 7 =$ _____

3. $\pounds 2 - (35p + 63p) = \pounds$ _____

4. $1\frac{1}{2} \text{ l} - 750 \text{ ml} =$ _____ ml

5. $3.8 - 2.76 =$ _____

6. $2\% =$ _____ / 100

7. $H \times 300\text{kg} = 3\text{kg}$ Find : $H =$ _____

8. 7.43 a.m. to noon = _____ h _____ min

9. 553 mm = _____ cm _____ mm

10. $830 \text{ g} \times 5 =$ _____ kg

11. (a) 10% of $\pounds 12.00 = \pounds$ _____

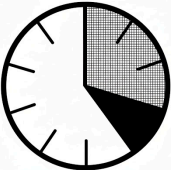
(b) 70% of $\pounds 12.00 = \pounds$ _____

12. $\frac{3}{5}$ of $\pounds 1.20 = \pounds$ _____

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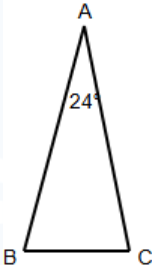
TestLife 11+ Mixed Maths Test 9

- Multiply $(4.8 + 3.7)$ by 0.5 _____
- Decrease £4.20 by 25%. £ _____
- What is 300% of 45 _____
- How many times is 0.8 m contained in 32 m? _____
- How many days are there in 28 weeks? _____
- What percentage of 1 kg is 480 g? _____ %
- Find the time in hours and minutes from 08:55 to 12:40.
_____ h _____ min.
- Spinach costs 22p per $\frac{1}{2}$ kg. What is the cost of 3 kg IN p? _____ p
- What percentage of the circle is
(a) grey _____ %
(b) black _____ %
(c) plain/white _____ %

- Approximate
(a) 33.6 km to the nearest km: _____ km
(b) 4.275 kg to the nearest kg: _____ kg
- 24 articles cost £9.60. Find the cost of 6. £ _____
- The area of a rectangle is 42 m^2 .
Its width is 3 m. Find its length. _____ m

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TestLife 11+ Mixed Maths Test 10

- An article costs 57p and is paid for with a £1 coin.
Fill in the blanks the three different coins could be given as change:
4 x _____ p 2 x _____ p 1 x _____ p
- In the number 45.583, how many times **greater** is the value of the digit 5 in the **units** place than the value of the digit 5 in the **tenths** place? _____.
- When a number is divided by 7, the answer is 54.
What is the number? _____.
- Four children receive these amounts of pocket money: 60p, 72p, 48p, and 54p.
Find the average. _____ p
- A cask contained 84 l of juice. 12% of it was wasted. Find in l and ml the quantity which remained. _____ L _____ ml
- ABC is an isosceles triangle.
Find the angles at the base.
 $\angle ABC =$ _____ $^{\circ}$ $\angle ACB =$ _____ $^{\circ}$
A diagram of an isosceles triangle with vertices labeled A, B, and C. Vertex A is at the top, B is at the bottom left, and C is at the bottom right. The angle at vertex A is labeled as 24 degrees. The two sides AB and AC are drawn as equal in length, indicating it is an isosceles triangle.
- {1, 2, 4, 6, 8, 12, 24, 48}
Two members of this set of factors of 48 are missing. Which are they?
_____ and _____



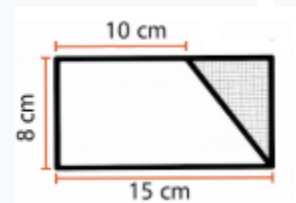
8. Ron's weight increased from 36 kg to 39 kg.
(a) Find the increase as a fraction _____
(b) Find the increase as a percentage _____ %

9. Which is the better buy, A or B, and by how much?
(A) Eight 300 g packs of flour at 55p per pack
or
(B) 2.4 kg of flour at £1.50 per kg

Ans: _____ is better by _____ p

10. From the rectangular card the shaded part is cut off.

Find the area of the shaded part _____.

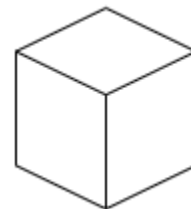


11. A tin of paint costing £5.20 will cover 6 m².
(a) How many tins will be needed to cover a floor 5 m × 4 m?
(b) What is the cost? £ _____.

12. The cube has sides each measuring 6 cm.

Find

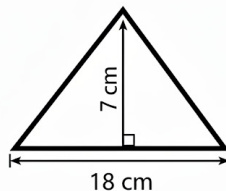
- (a) its total surface area _____
(b) how many 1 cm³ cubes can be fitted into the cube _____



TestLife 11+ Mixed Maths Test 11

1. Write in decimal $\frac{1}{3}$ of 200 up to two decimals. _____
2. From the total of 95p and £1.24 take out 60p. £ _____
3. Find the product of 0.7 and 0.8. _____
4. Find the total number of days in the months of April, May and June. _____
5. When a number is divided by 8 the answer is 57 remaining 3.
What is the number? _____
6. 4 articles cost 96p. Find the cost of 3 articles _____ p
7. Write in fractions:
(a) 600 g of 1 kg (a) _____
(b) 120 ml of $\frac{1}{2}$ l (b) _____
8. How many times greater is 4080 than 4.08? _____.
9. (a) 25% of £9.20 = _____ £
(b) 55% of £9.20 = _____ £
10. Approximate
(a) £2.186 to the nearest penny = _____ £
(b) 6.740 l to the nearest $\frac{1}{2}$ l = _____ L
11. 0.6 kg of apples costs £1.80. Find the cost of 900 g. £ _____

12. Find the area of the triangle.
_____ cm^2





TestLife 11+ Mixed Maths Test 12

1. The volume of a tank is 2480 cm^3 . How many litres of water does it hold? _____ L

2. A car travels 420 km on 50 l of petrol. How many km per l is this? _____

3. Find

(a) 3.12×14 (a) _____

(b) 31.2×1.4 (b) _____

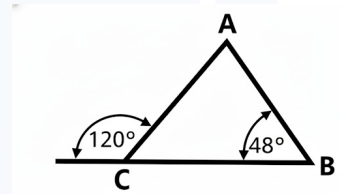
4. The bill for meals in a restaurant was £24.60. 12% was added as a service charge. How much was added? £ _____

5. Buses run at intervals of 20 min. Find the times of the next two buses after 10:15.

6. In the triangle ABC, find

$\angle ACB =$ _____ $^\circ$

$\angle BAC =$ _____ $^\circ$



7. The mass of a TEN coin is 7 g. What is the mass in kg of £30 in TENS? _____ kg

8. A line 12 cm long represents the distance flown by an aeroplane. If the line is drawn to a scale of 1 mm to 40 km, find the actual distance. _____ km

9. The price of articles in a shop was reduced by 6p in the £1.

Find

(a) the reduced price of an article costing £45 (a) £ _____

(b) the reduction as a percentage (b) _____ %

10. A rectangle measures 4 m long and 80 cm wide.

Find its area in m^2 . _____ m^2

11. 6 articles cost £3.30.

(a) What fraction of £3.30 will 4 articles cost? (a) _____

(b) Find the cost of 5 articles. (b) £ _____

12. A block of wood is 1.5 m long with a section 3 cm square. How many 3-cm cubes can be made from the block? _____.

