

Task 1: Log in to Purple Mash:

- Math Task: 12 & 24 Conversion of time

Math Game: Funky Platform

Task 2: Log on to Rockstars (10,11,12) and test yourself. Below is also a paper version. Can you complete this in under 90 seconds?

| | | | | | | | |
|----|------------------------|----|------------------------|----|--------------------|----|--------------------|
| 1 | $11 \times 10 =$ _____ | 11 | $11 \times 1 =$ _____ | 21 | $120 + 10 =$ _____ | 30 | $33 + 11 =$ _____ |
| 2 | $10 \times 11 =$ _____ | 12 | $11 \times 8 =$ _____ | 22 | $50 + 10 =$ _____ | 31 | $88 + 11 =$ _____ |
| 3 | $11 \times 7 =$ _____ | 13 | $10 \times 8 =$ _____ | 23 | $88 + 11 =$ _____ | 32 | $50 + 10 =$ _____ |
| 4 | $11 \times 9 =$ _____ | 14 | $11 \times 5 =$ _____ | 24 | $44 + 11 =$ _____ | 33 | $80 + 10 =$ _____ |
| 5 | $10 \times 1 =$ _____ | 15 | $12 \times 2 =$ _____ | 25 | $77 + 11 =$ _____ | 34 | $66 + 11 =$ _____ |
| 6 | $11 \times 6 =$ _____ | 16 | $11 \times 11 =$ _____ | 26 | $70 + 10 =$ _____ | 35 | $84 + 12 =$ _____ |
| 7 | $12 \times 9 =$ _____ | 17 | $10 \times 8 =$ _____ | 27 | $10 + 10 =$ _____ | 36 | $24 + 12 =$ _____ |
| 8 | $10 \times 2 =$ _____ | 18 | $11 \times 10 =$ _____ | 28 | $36 + 12 =$ _____ | 37 | $44 + 11 =$ _____ |
| 9 | $11 \times 11 =$ _____ | 19 | $10 \times 3 =$ _____ | 29 | $120 + 12 =$ _____ | 38 | $120 + 12 =$ _____ |
| 10 | $11 \times 2 =$ _____ | 20 | $10 \times 7 =$ _____ | 30 | $33 + 11 =$ _____ | 39 | $60 + 12 =$ _____ |
| | | | | | | 40 | $22 + 11 =$ _____ |

Try some more:

41) $34\,234 \times 8$

42) 1253×43

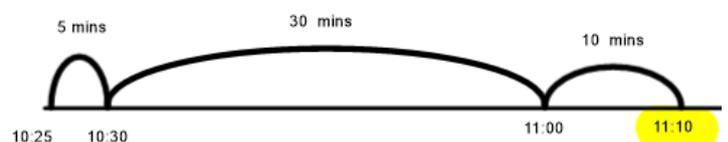
43) 8433×245

Task 3: Arithmetic

| | | | | | | | | | |
|----|------------------------------------|----------------------|----------------------|---|----|---------------------------------|----------------------|----------------------|---|
| 19 | $\frac{1}{8} = 0.$ | <input type="text"/> | <input type="text"/> | 1 | 28 | $85,023 + 15,687 =$ | <input type="text"/> | <input type="text"/> | 1 |
| 20 | $85,023 + 15,687 =$ | <input type="text"/> | <input type="text"/> | 1 | 29 | $923 \times 3 =$ | <input type="text"/> | <input type="text"/> | 2 |
| 21 | $5,739 \div 4 =$ | <input type="text"/> | <input type="text"/> | 1 | 30 | $4 \frac{2}{5} \times 3 =$ | <input type="text"/> | <input type="text"/> | 1 |
| 22 | $50\% = \frac{\quad}{100}$ | <input type="text"/> | <input type="text"/> | 1 | 31 | $23 \times 4 - 28 =$ | <input type="text"/> | <input type="text"/> | 1 |
| 23 | $45 \times 60 =$ | <input type="text"/> | <input type="text"/> | 2 | 32 | $\frac{2}{3} \div 4 =$ | <input type="text"/> | <input type="text"/> | 1 |
| 24 | $0.4 + 2.7 =$ | <input type="text"/> | <input type="text"/> | 1 | 33 | $2 \frac{1}{3} + \frac{1}{2} =$ | <input type="text"/> | <input type="text"/> | 2 |
| 25 | $252 \div 42 =$ | <input type="text"/> | <input type="text"/> | 2 | 34 | $696 \div 55 =$ | <input type="text"/> | <input type="text"/> | 1 |
| 26 | $\frac{5}{9} \times \frac{3}{4} =$ | <input type="text"/> | <input type="text"/> | 1 | 35 | $\frac{6}{9} \div 3 =$ | <input type="text"/> | <input type="text"/> | 1 |
| 27 | 5% of 560 = | <input type="text"/> | <input type="text"/> | 1 | 36 | $6 \div \frac{6}{10} =$ | <input type="text"/> | <input type="text"/> | 1 |

Task 4: Time word problems (Remember to use a number line to help you)

Example: Maths starts at 10:25 and lasts for 45 minutes. At what time does Maths finish?



Maths will finish at 11:10.

1. Science lasts for 55 minutes and ends at 3:30. At what time does Science start?
2. Year 6 have a 40-minute Maths lesson every day. In one week at school, how long will Year 6 have spent in Maths?
3. Ellie takes the train to Edinburgh. She sets off at 09:48 in the morning and arrives at 11:37. How long was her journey?
4. Ben travels on a coach to Manchester. His coach sets off at 08:29. The journey is 2 hours 52 minutes long. His friend Heather drives there and arrives 18 minutes earlier than Ben. At what time does Heather arrive?
5. Annabel drives to Cardiff. Her journey takes her 2 hours and 41 minutes. She arrives at 11:25. What time did she set off? Her friend Caitlin set off to Cardiff 15 minutes after Annabel. At what time did Caitlin set off?
6. On holiday, Anna cycles to Killarney. She sets off at 14:27 and arrives at 17:09. However, she had to stop on the way for 22 minutes to repair a puncture. How long would her journey have been if not for the puncture?
7. Alexander climbs up Ska Fell Pike. The climb takes him 3 hours and 33 minutes. He then spends 20 minutes at the top. After this, he climbs down the mountain again, which takes him 1 hour 41 minutes. If he arrives at the bottom of the mountain again at 16:35, at what time did he start his journey up the mountain?

Task 5: Reasoning

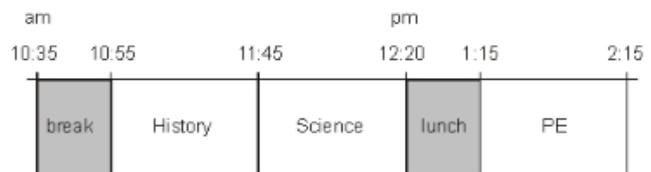
William wants to travel to Paris by train.

He needs to arrive in Paris by 5:30 pm.

Circle the latest time that William can leave London.

| Leaves London | Arrives Paris |
|---------------|---------------|
| 12:01 | 15:22 |
| 12:25 | 15:56 |
| 13:31 | 16:53 |
| 14:01 | 17:26 |
| 14:31 | 17:53 |
| 15:31 | 18:53 |
| 16:01 | 19:20 |

Here is part of the timetable for Class 6 on a Monday.



Look at the timetable.

How long is it from the end of break to the start of lunch?

Nisha leaves the Science lesson after 25 minutes.

Then she goes to the dentist.

What time does she leave the Science lesson?

Complete each sentence using a number from the list below.

- 120 240 600 1,440 3,600 6,000

There are seconds in an hour.

There are minutes in a day.

How many seconds are there in a day?