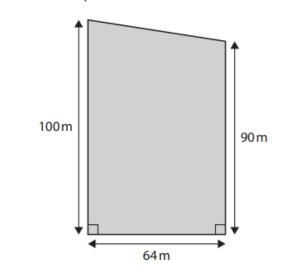
You Are The Assessor | Level 2 maths

Chris Briggs Product Manager Post 16 English, Maths and Digital Skills





Jack is managing a concert. The diagram shows the total floor space for the concert.



Jack receives £21 for each square metre of floor space from ticket sales.

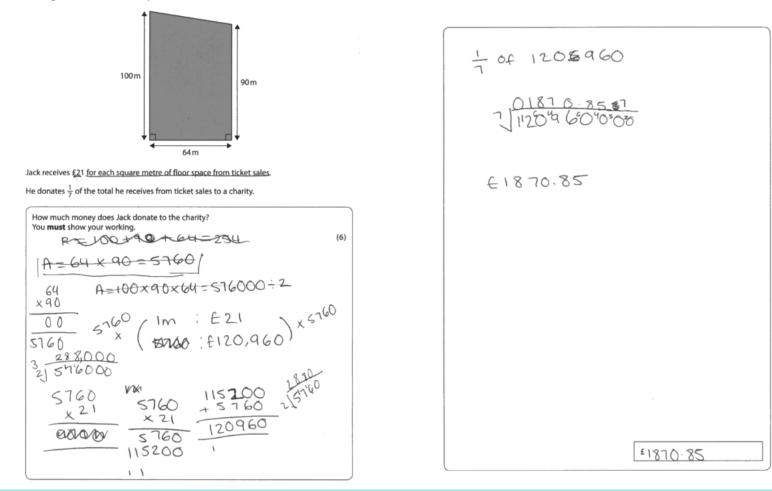
He donates $\frac{1}{7}$ of the total he receives from ticket sales to a charity.

How much money does Jack donate to the charity? You **must** show your working.

(6)

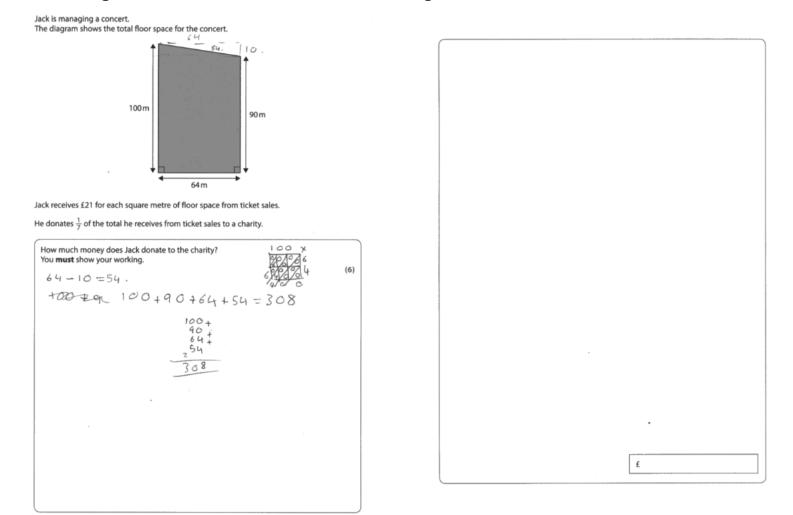
Question	Process	Mark	Mark Grid	Evidence
Q4	Process to find missing length	1	A	100 – 90 (=10)
	Begins process to work with area	1 or	В	e.g. $64 \times 100 \ (=6400) \ \mathbf{OR}$ $\frac{1}{2} \times 64 \times '10' \ (=320) \ \mathbf{OR}$ $64 \times 90 \ (=5760)$
	Full process to work out a total	2	BC	e.g. '6400' - '320' (=6080) OR '5760' + '320' (=6080) OR '6400' × 21 - '320' × 21 (=127680) OR '6400' × 21 ÷ 7 - '320' × 21 ÷ 7 (=18240)
	Begins to work with donation	1 or	D	e.g. {area} × 21 (=127680) OR 21 ÷ 7 (=3) OR {area} ÷ 7 (=868.5)
	Process to work out donation	2 or	DE	e.g. {area} × 21 ÷ 7 (=18240) OR {area} × '3' (=18240)
	Accurate figure	3	DEF	18240
	Total marks for question	6		NB This question requires working shown

Jack is managing a concert. The diagram shows the total floor space for the concert.



- This learner would get three marks for this answer.
- They have NOT shown the process to find the missing length.
- They have one mark for starting the process to find the area.
- They get two marks for the process to work out the donation.
- They do NOT get the accurate figure mark.

Question	Process	Mark	Mark Grid	Evidence
Q4	Process to find missing length	1	A	100 – 90 (=10)
	Begins process to work with area	1 or	в	e.g. 64×100 (=6400) OR $\frac{1}{2} \times 64 \times '10'$ (=320) OR
				$^{2}_{64 \times 90} (=5760)$
	Full process to work out a total	2	BC	e.g. '6400' - '320' (=6080) OR '5760' + '320' (=6080) OR '6400' × 21 - '320' × 21 (=127680) OR '6400' × 21 + 7 - '320' × 21 + 7 (=18240)
	Begins to work with donation	1 or	D	e.g. {area} × 21 (=127680) OR 21 ÷ 7 (=3) OR {area} + 7 (=868.5)
	Process to work out donation	2 or	DE	e.g. {area} × 21 ÷ 7 (=18240) OR {area} × '3' (=18240)
	Accurate figure	3	DEF	18240
				NB This question requires working shown
	Total marks for question	6		1



- This learner would get one mark for this answer.
- They have shown the process to find the missing length, so get that mark. This is shown on the diagram.

Question	Process	Mark	Mark Grid	Evidence
Q4	Process to find missing length	1	A	100 - 90 (=10)
	Begins process to work with area	1 or	В	e.g. 64×100 (=6400) OR $\frac{1}{2} \times 64 \times '10'$ (=320) OR
				2 4 × 90 (=5760)
	Full process to work out a total	2	BC	e.g. '6400' - '320' (=6080) OR '5760' + '320' (=6080) OR '6400' × 21 - '320' × 21 (=127680) OR '6400' × 21 ÷ 7 - '320' × 21 ÷ 7 (=18240)
	Begins to work with donation	1 or	D	e.g. {area} × 21 (=127680) OR 21 + 7 (=3) OR {area} + 7 (=868.5)
	Process to work out donation	2 or	DE	e.g. {area} × 21 + 7 (=18240) OR {area} × '3' (=18240)
	Accurate figure	3	DEF	18240
				NB This question requires working shown
	Total marks for question	6		1

Jack is managing a concert. The diagram shows the total floor space for the concert.

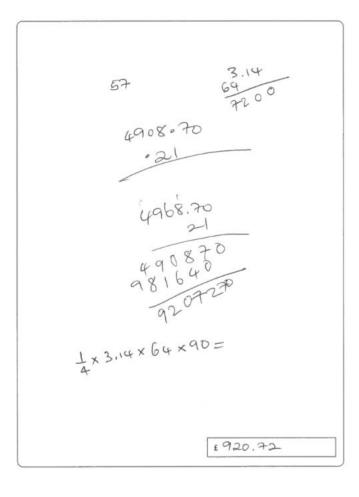


Jack receives £21 for each square metre of floor space from ticket sales.

He donates $\frac{1}{7}$ of the total he receives from ticket sales to a charity.

How much money does Jack donate to the charity?
You must show your working.
Area = 64 m × 90 m = 5760 m²

$$\frac{1}{7}$$
 × 5760 = 851.3
5760-851.3 =
× 64
360
5760
 $\frac{1}{7}$ × 5760 =
 $\frac{85}{1.3}$ =
 $\frac{90}{5760}$
 $\frac{1}{5760}$
 $\frac{85}{1.3}$ =
 $\frac{5760}{5760}$
 $\frac{1}{7}$ × 5760 =
 $\frac{85}{1.3}$ =
 $\frac{5760}{5760}$
 $\frac{1}{7}$ × 5760 =
 $\frac{85}{1.3}$ =
 $\frac{5760}{5760}$
 $\frac{1}{7}$ × 5760 =
 $\frac{85}{1.3}$ =
 $\frac{5760}{851}$ =
 $\frac{1}{7}$ × $\frac{5760}{7}$ =
 $\frac{1}{7}$ × $\frac{1$



- This learner would get three marks for this answer.
- They have NOT shown the process to find the missing length.
- They have one mark for starting the process to find the area.
- They get two marks for the process to work out the donation.
- They do NOT get the accurate figure mark.

Question	Process	Mark	Mark Grid	Evidence
Q4	Process to find missing length	1	A	100 – 90 (=10)
	Begins process to work with area	1 or	в	e.g. 64×100 (=6400) OR $\frac{1}{2} \times 64 \times '10'$ (=320) OR
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	Begins to work with donation	1 or	D	e.g. {area} × 21 (=127680) OR 21 ÷ 7 (=3) OR {area} + 7 (=868.5)
	Process to work out donation	2 or	DE	e.g. {area} × 21 ÷ 7 (=18240) OR {area} × '3' (=18240)
	Accurate figure	3	DEF	18240
				NB This question requires working shown
	Total marks for question	6		1

2. Jack is managing a concert.

The diagram shows the total floor space for the concert.



Jack receives £21 for each square metre of floor space from ticket sales.

He donates 1/7 of the total he receives from ticket sales to a charity.

How much money does Jack donate to the charity? You must show your working.

a. What is the missing measurement of the triangle in the diagram?

d. What is the area of the rectangular part of the floor space?

e. How much money does Jack receive from ticket sales in total?

b. What is the formula for the area of a triangle?

f. How much money does Jack donate to charity?

c. What is the area of the triangle?