

Items	answers	skills	outcomes	Difficulty level
1.		Ratios	<p>Ratios</p> <p>MAT.1.07.01 Compare quantities by using a ratio and a unit ratio and solve problems and applications</p> <p>TIMSS -Identify and find equivalent ratios; model a given situation by using a ratio; divide a quantity according to a given ratio</p>	Easy

أكمل كل كسر (fraction) حتى تكون الكسور كلها متكافئة (equivalent).

$$\frac{24}{60} = \frac{6}{15} = \frac{2}{5} = \frac{120}{300} = \frac{16}{20}$$

Complete each fraction so that all the fractions are equivalent.

$$\frac{24}{60} = \frac{6}{15} = \frac{2}{5} = \frac{1}{120} = \frac{16}{120}$$

Items	answers	skills	outcomes	Difficulty level
2.		Ratio, Proportion and Percent	MAT.1.07 Ratio, Proportion, and Percentage  TIMSS -Solve problems involving proportions or percents, including converting between percents and fractions or decimals.	Medium



تم تقسيم كعكة كبيرة إلى 12 قطعة متساوية.  
تم أخذ بعض القطع كما هو موضح في الشكل.

ما هي النسبة المئوية المتبقية من الكعكة؟

A 25 %

B 30 %

C 75 %

D 90 %

A large cake is divided into 12 equal pieces.

Some pieces have been taken as shown.



What percentage of the cake is left?

A 25%

B 30%

C 75%

D 90%



Items	answers	skills	outcomes	Difficulty level
3.		Ratio, Proportion and Percent	<p>MAT.1.07.01 Compare quantities by using a ratio and a unit ratio and solve problems and applications</p> <p>TIMSS -Identify and find equivalent ratios; model a given situation by using a ratio; divide a quantity according to a given ratio.</p>	Medium

في أحد الصفوف يقوم 40% من طلبة الصف بمساعدة الأهل في تربية الجمال ، فإذا كان عدد هؤلاء الطلبة 12.

كم طالب في الصف؟

In a class of students, 40% own camels.

If 12 students own camels, how many students are there in the class?



Items	answers	skills	outcomes	Difficulty level
4.		Fractions and Decimals	MAT.1.06.02 Add and subtract decimal numbers, compare decimal numbers.  TIMSS -Compute with fractions and decimals.	Easy

ضع < ، > ، أو = في كل خانة حتى تكون كل عبارة صحيحة.

$0.35 \square 0.350$

$0.35 \square 0.4$

$0.35 \square 0.305$

$0.35 \square 0.035$

Place < , > , or = in each box so that each statement is true.

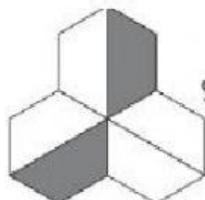
$0.35 \square 0.350$

$0.35 \square 0.4$

$0.35 \square 0.305$

$0.35 \square 0.035$

Items	answers	skills	outcomes	Difficulty level
5.		Fractions and Decimals	MAT.1.05 Fractions TIMSS -Using various models and representations, compare and order fractions and decimals, and identify equivalent fractions and decimals.	Medium



رسمت حصة الشكل التالي وظللت جزءاً منه

أي مما يلي هو الأصغر من الكسر الذي يمثل الجزء المظلل؟

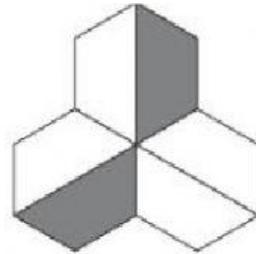
A  $\frac{1}{2}$

B  $\frac{1}{6}$

C  $\frac{3}{4}$

D  $\frac{2}{3}$

Hessa drew a shape and shaded part of the shape as shown.



What fraction below is **smaller** than the part shaded by Hessa?

A  $\frac{1}{2}$

B  $\frac{1}{6}$

C  $\frac{3}{4}$

D  $\frac{2}{3}$